



Dr.WEB

Enterprise Security Suite

Dr.Web Server Database Structure



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Doctor Web

Doctor Web develops and distributes Dr.Web information security solutions that provide effective protection against malicious software and spam.

Doctor Web customers include home users around the world, government agencies, small businesses, and nationwide corporations.

Since 1992, Dr.Web anti-virus solutions have been known for their continuous excellence in malware detection and compliance with international information security standards.

The state certificates and awards received by Dr.Web solutions, as well as the worldwide use of our products, are the best evidence of exceptional trust in the company products.

We thank all our customers for their support and devotion to Dr.Web products!



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Chapter 1: Introduction

1.1. About the Manual

This document describes internal structure of the Dr.Web Server database.



The manual is also provided within Dr.Web Enterprise Security Suite and can be opened from Dr.Web Security Control Center.

Before reading this document, make sure you have the latest version of the corresponding manual for your product version. The manual is constantly updated and the current version can always be found at the official website of Doctor Web at <https://download.drweb.com/doc/>.

1.2. Conventions

Conventions

The following symbols and text conventions are used in this guide:

Convention	Comment
	An important note or instruction.
	A warning about possible errors or important notes that require special attention.
<i>Anti-virus network</i>	A new term or an emphasis on a term in descriptions.
<IP-address>	Placeholders.
Save	Names of buttons, windows, menu items and other program interface elements.
CTRL	Names of keyboard keys.
C:\Windows\ C:\Windows\	Names of files and folders, code examples.
Appendix A	Cross-references to document chapters or internal hyperlinks to webpages.



Chapter 2: Dr.Web Server Database

2.1. Introduction

2.1.1. About the Database

A unified database is connected to the Centralized Protection Dr.Web Server and stores statistical data on anti-virus network events, settings of Dr.Web Server itself, parameters of protected stations and anti-virus components installed on protected stations.

You can use the following types of databases:

An **embedded** SQLite3 database built into Dr.Web software.

An **external** database. Dr.Web software comes with built-in drivers for the following databases:

- MySQL,
- Oracle,
- PostgreSQL (including Postgres Pro),
- ODBC driver to connect other databases such as Microsoft SQL Server/Microsoft SQL Server Express.

You can use any database that meets your requirements, such as: scalability, database software maintenance, administrative capabilities provided by the database itself and also the standards adopted in your company.

Database Version

Version of the database structure: 546.

How to find out which database version your Dr.Web Server is using:

1. Open the Control Center of your Dr.Web Server.
2. Go to the **Administration** → **SQL console** section.
3. Enter the following query:

```
SELECT dbver FROM dbstruct;
```

4. Click **Execute**.



Database Subsystems

All tables of Dr.Web Server database can be divided into the following subsystems:

Database Metadata

Metadata that describe the database model (physical and, to some extent, logical model in the `tables_refs` table).

Notifications

Descriptions of existing notifications and their variables.

Templates.

Settings for sending notifications, assigning them to administrators.

Web console notifications.

Pending notifications.

Administrators

Administrators and administrator groups, their privileges.

Messages sent by administrators to stations, and their templates.

License Management

License keys assigned at Dr.Web Server.

Propagation of licenses between stations, groups, policies, neighboring Dr.Web Servers.

License usage reports.

Catalogs

Catalogs of data frequently referenced by other tables.

Stations and Anti-virus Network Tree

Stations, groups, policies, Dr.Web Proxy Servers, their attributes and hierarchy.

Neighborhood

Interserver connections with neighboring Dr.Web Servers.

Application Control

Generation of trusted applications of the Application Control component: settings, collected applications, intermediate data.

Application catalog data on process blocking and activity.

Dr.Web Server Configuration

Dr.Web Server configuration.



Station Configuration

Settings of stations and Dr.Web Proxy Servers: component configurations, schedule, permissions, update restrictions.

Group Configuration

Settings of station groups and Dr.Web Proxy Server groups: component configuration, schedule, permissions, update restrictions.

Policy Configuration

Settings of policies: components configuration, schedule, permissions, updates restrictions.

Other Object Configuration

Profiles of the Application Control component, their rules and user-defined component settings.

Dr.Web Server Events

Events generated by Dr.Web Server:

- audit log, Task Scheduler, updates;
- messages sent by the administrator to stations.

Station Events

Events generated by stations:

- threat detection, error and scan statistics;
- Application Control component events;
- device locking;
- installation and uninstallation of Dr.Web Agent;
- task scheduler log on stations;
- station geolocation.

Station Events from Neighbor Dr.Web Server

Events generated by stations on neighboring Dr.Web Servers (similar to Station Events).

Dr.Web Server Status

Current state of the Dr.Web Server subsystems, including news, deferred product updates.

Station Status

Station states, including:

- abnormally terminated connections;
- installed components and their status (started/stopped), modules and virus databases;
- information on hardware, software, and station users;
- registered connections of the Dr.Web Agent and Dr.Web Server;



- quarantine;
- open user sessions.

Station Status from Neighbor Dr.Web Servers

Status of the neighboring Dr.Web Server stations, including information about hardware and software.

Other Tables

Other reference and operational data.

2.1.2. Examples of Dr.Web Server Database Queries

Below are examples of the SQL queries to the PostgreSQL database. Queries to other databases may contain some differences due to the features of the database itself and the subtleties of its use.



SQL syntax ignores the hierarchy of groups and stations.

To query the database directly

1. Open the Control Center of your Dr.Web Server.
2. Go to the **Administration** → **SQL console** section.
3. Write an SQL query. Examples of queries are given below.
4. Click **Execute**.

Examples of SQL Queries

1. Find stations running server versions of Windows OS that are using virus databases issued before 2024.07.16-00:00:00 UTC.

```
SELECT
  stations.name Station,
  groups_list.name OS,
  station_products.crev Bases
FROM
  stations
  INNER JOIN groups_list ON groups_list.platform =(
    CAST(stations.lastos AS INTEGER) & ~15728640
  )
  AND (
    (
      CAST(stations.lastos AS INTEGER) & 2130706560
    ) = 33554560
  )
  INNER JOIN station_products ON station_products.id = stations.id
  AND station_products.product = '10-drwbases'
  AND station_products.crev < 13020240716000000;
```



2. Find stations with **High** and **Maximum** severity records in the **Anti-virus network** → **Statistics** → **Status** section.

```
SELECT
  stations.name Station
FROM
  stations
WHERE
  id IN (
    SELECT
      DISTINCT id
    FROM
      station_status
    WHERE
      severity >= 1342177280
  );
```

3. Get the correspondence between statuses and the number of stations with these statuses.

```
SELECT
  code Code,
  COUNT(code) Num
FROM
  (
    SELECT
      DISTINCT id,
      code
    FROM
      station_status
  ) AS t
GROUP BY
  Code
ORDER BY
  Code;
```

4. Get the top 10 threats detected from 2024.06.01 through 2024.07.01 on stations included in the group with the identifier '373a9afb-9c9a-4d4d-b9b1-de817b96bcc5' or into any nested groups.

```
SELECT
  cat_virus.str Threat,
  COUNT(cat_virus.str) Num
FROM
  station_infection
  INNER JOIN cat_virus ON cat_virus.id = station_infection.virus
WHERE
  station_infection.infectiontime BETWEEN 202406010000000000
  AND 202407010000000000
  AND station_infection.id IN (
    SELECT
      sid
    FROM
      station_groups
    WHERE
      gid = '373a9afb-9c9a-4d4d-b9b1-de817b96bcc5'
    OR gid IN (
      SELECT
        child
      FROM
        group_children
```



```
        WHERE
            id = '373a9afb-9c9a-4d4d-b9b1-de817b96bcc5'
        )
    )
GROUP BY
    cat_virus.str
ORDER BY
    Num DESC
LIMIT
    10;
```

5. Get the top 10 infected stations.

```
SELECT
    Station,
    Grp,
    Num
FROM
    (
        SELECT
            stations.id,
            groups_list.id,
            stations.name Station,
            groups_list.name Grp,
            COUNT(stations.id) Num
        FROM
            station_infection
            INNER JOIN stations ON station_infection.id = stations.id
            INNER JOIN groups_list ON groups_list.id = stations.gid
        GROUP BY
            stations.id,
            groups_list.id,
            stations.name,
            groups_list.name
        ORDER BY
            Num DESC
        LIMIT
            10
    ) AS t;
```

6. Remove all stations from user groups that are not primary for those stations.

```
DELETE FROM
    station_groups;
INSERT INTO station_groups(sid, gid)
SELECT
    stations.id,
    groups_list.id
FROM
    stations
    INNER JOIN groups_list ON stations.gid = groups_list.id
    AND groups_list.type NOT IN(1, 4);
```

7. Find objects on the anti-virus network that have the specified domain whitelisted in the personal settings of the SplDer Gate component.

```
SELECT
    stations.name Station
FROM
    station_cfg
    INNER JOIN stations ON stations.id = station_cfg.id
```



```
WHERE
  station_cfg.component = 38
  AND station_cfg.name = 'WhiteVirUrlList'
  AND station_cfg.value = 'domain.tld';
SELECT
  groups_list.name Grp
FROM
  group_cfg
  INNER JOIN groups_list ON groups_list.id = group_cfg.id
WHERE
  group_cfg.component = 38
  AND group_cfg.name = 'WhiteVirUrlList'
  AND group_cfg.value = 'domain.tld';
SELECT
  policy_list.name Policy
FROM
  policy_cfg
  INNER JOIN policy_list ON policy_list.id = policy_cfg.id
WHERE
  policy_cfg.component = 38
  AND policy_cfg.name = 'WhiteVirUrlList'
  AND policy_cfg.value = 'domain.tld';
```

8. Get the events of unsuccessful administrator logins to the Control Center with the corresponding authorization error codes from the audit log.

```
SELECT
  admin_activity.login Login,
  admin_activity.address Address,
  activity_data.value ErrorCode,
  admin_activity.createtime EventTimestamp
FROM
  admin_activity
  INNER JOIN activity_data ON admin_activity.record = activity_data.record
WHERE
  admin_activity.oper = 10100
  AND admin_activity.status != 1
  AND activity_data.item = 'Error';
```

9. Find stations running Windows OS that do not have required security fixes installed.

```
SELECT
  stations.name Station
FROM
  stations
WHERE
  id NOT IN (
    SELECT
      station_env_kb.id
    FROM
      station_env_kb
      INNER JOIN stations ON stations.id = station_env_kb.id
    WHERE
      (
        CAST(stations.lastos AS INTEGER) & 2130706432
      ) = 33554432
      AND station_env_kb.name IN (
        SELECT
          id
        FROM
```



```
env_strings
WHERE
str IN(
'KB4012212', 'KB4012213', 'KB4012214',
'KB4012215', 'KB4012216', 'KB4012217',
'KB4012598'
)
);
```

2.2. Database Tables

The following is a description of the database tables that contain the parameters described below:

- table fields with descriptions;
- list of table indexes, if indexes exist;
- list of links between tables, if links exist.

Links are the rules according to which Dr.Web Server purges outdated and inconsistent information.

Links are described by the following data:

<current_field>	<link_type>	<link_table> . <link_field>
-----------------	-------------	-----------------------------

where:

- <current_field>—identifier of the field in the current table;
- <link_type>—type of the link between fields (see below),
- <link_table>—name of the table linked to the current table;
- <link_field>—identifier of the field in the <link_table>.

The following link types are possible:

Link type	Link description
→	For any record in the current table there is a record in the <link_table> in which the value of the <link_field> is equal to the value of the <current_field> in the current table.
←	For any record in the <link_table> there is a record in the current table in which the value of the <link_field> is equal to the value of the <current_field> in the current table.
↔	Both of the above conditions are true.



2.2.1. Database Metadata

dbstruct

Metadata table. Version of the database scheme.

Table fields

Field name	Field type	Description
dbver	INTEGER	database version
dbuuid	VARCHAR(36)	database UUID

Table indexes

Index name	Index type	Fields
dbstruct_pkey	table primary key	dbver

tables_fields

Metadata table. Information on the fields of database tables.

Table fields

Field name	Field type	Description
fieldno	INTEGER NOT NULL	field number
fieldtype	INTEGER NOT NULL	0—string, 1—number, 2—signed, 4—max length string, 5—CLOB, 6—SERIAL
maxval	NUMERIC(19) NOT NULL	field maximal value (integer) or length
tabname	VARCHAR(128) NOT NULL	table name
fieldname	VARCHAR(128) NOT NULL	field name



Field name	Field type	Description
attributes	NUMERIC(19) NOT NULL	field attributes as bit flags, see above
default_value	VARCHAR(256) DEFAULT ""	field default value
comments	VARCHAR(256) DEFAULT ""	field comments

Table indexes

Index name	Index type	Fields
tables_fields_0001	simple table index	tablename, fieldname
tables_fields_pkey	table primary key	tablename, fieldno

tables_indices

Metadata table. The list of indexes and primary keys in the database tables.

Table fields

Field name	Field type	Description
indexname	VARCHAR(128) NOT NULL	index name
tablename	VARCHAR(128) NOT NULL	name of an index table
fields	VARCHAR(256) NOT NULL	field names separated by comma
attrs	INTEGER NOT NULL	index type, see comments above

Table indexes

Index name	Index type	Fields
tables_indices_pkey	table primary key	indexname



tables_list

Metadata table. The list of all database tables.

Table fields

Field name	Field type	Description
priority	INTEGER NOT NULL	backup priority
subsystem	INTEGER NOT NULL	table subsystem
tablename	VARCHAR(128) NOT NULL	table name
description	VARCHAR(256) DEFAULT ""	table description

Table indexes

Index name	Index type	Fields
tables_list_0001	simple table index	priority
tables_list_pkey	table primary key	tablename

tables_refs

Metadata table. References between table fields.

Table fields

Field name	Field type	Description
ref_tbl	VARCHAR(64) NOT NULL	reference table name
ref fld	VARCHAR(64) NOT NULL	reference field name
src_tbl	VARCHAR(64) NOT NULL	source table name
src fld	VARCHAR(64) NOT NULL	source field name
attrs	INTEGER NOT NULL	reference attribute as a bitmask (1—delete dangling references, 2—delete unused records)



Field name	Field type	Description
def_val	VARCHAR(256) DEFAULT ''	value for valid undef. reference

Table indexes

Index name	Index type	Fields
tables_refs_0001	simple table index	src_tbl
tables_refs_pkey	table primary key	ref_tbl, ref_fld, src_tbl, src_fld



2.2.2. Notifications

alert_console

Administrator notifications sent by the Web console method.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	message UUID
subject	INTEGER NOT NULL	message subject
body	INTEGER NOT NULL	message body
read_until	NUMERIC(17) DEFAULT '0'	message will be deleted after specified time
admin	VARCHAR(36) NOT NULL	admin UUID
iread	INTEGER NOT NULL	read flag (0—unread, 1—read, 2—save)
gentime	NUMERIC(17) DEFAULT '0'	message generation time
station	VARCHAR(36) DEFAULT ''	station ID for an event generated for a specific station
id_alert	INTEGER NOT NULL	message type

Table indexes

Index name	Index type	Fields
alert_console_0001	simple table index	admin, iread, id_alert
alert_console_0002	simple table index clustering index	read_until
alert_console_pkey	table primary key	id



Table references

Field name	Direction	Referenced table field
admin	→	admins.id
body	↔	cat_alert_body.id
subject	↔	cat_alert_subj.id

alert_group

Accordance between administrator notifications and their types.

Table fields

Field name	Field type	Description
id_group	INTEGER NOT NULL	group ID
id_alert	INTEGER NOT NULL	notification ID

Table indexes

Index name	Index type	Fields
alert_group_pkey	table primary key clustering index	id_group, id_alert

Table references

Field name	Direction	Referenced table field
id_group	→	alert_group_list.id_group



alert_group_list

The list of administrator notification types.

Table fields

Field name	Field type	Description
id_group	INTEGER NOT NULL	group ID
name	VARCHAR(4000) DEFAULT ''	group name in English

Table indexes

Index name	Index type	Fields
alert_group_list_pkey	table primary key	id_group

alert_list

The list of administrator notifications.

Table fields

Field name	Field type	Description
id_alert	INTEGER NOT NULL	notification ID
name	VARCHAR(4000) DEFAULT ''	notification name in English
severity	INTEGER DEFAULT '0'	notification severity

Table indexes

Index name	Index type	Fields
alert_list_pkey	table primary key	id_alert



alert_mobile

Administrator notifications sent by the push method to Dr.Web Mobile Control Center.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	message UUID
subject	INTEGER NOT NULL	message subject
body	INTEGER NOT NULL	message body
read_until	NUMERIC(17) DEFAULT '0'	message will be deleted after specified time
admin	VARCHAR(36) NOT NULL	admin UUID
iread	INTEGER DEFAULT '0'	read flag (0—unread, 1—read, 2—save)
gentime	NUMERIC(17) DEFAULT '0'	message generation time
station	VARCHAR(36) DEFAULT ''	station ID to generate event for a specific station
id_alert	INTEGER DEFAULT '0'	message type
device	INTEGER NOT NULL	device ID

Table indexes

Index name	Index type	Fields
alert_mobile_0001	simple table index	admin, device
alert_mobile_0002	simple table index clustering index	read_until
alert_mobile_pkey	table primary key	id



Table references

Field name	Direction	Referenced table field
admin	→	admins.id
body	↔	cat_alert_body.id
device	↔	cat_alert_dev.id
subject	↔	cat_alert_subj.id

alert_settings

Sets of administrator notification settings.

Table fields

Field name	Field type	Description
settings_set	VARCHAR(36) NOT NULL	UUID of the settings set
name	VARCHAR(45) NOT NULL	setting name
value	TEXT DEFAULT ""	setting value

Table indexes

Index name	Index type	Fields
alert_settings_pkey	table primary key clustering index	settings_set, name

Table references

Field name	Direction	Referenced table field
settings_set	→	alert_settings_sets.settings_set



alert_settings_sets

Administrator notification settings.

Table fields

Field name	Field type	Description
<code>id_alert</code>	INTEGER NOT NULL	notification ID
<code>admin</code>	VARCHAR(36) NOT NULL	UUID of the administrator to receive the notification
<code>method</code>	INTEGER NOT NULL	send method (0—email, 2—web console, 3—SNMP protocol, 4—Dr.Web Agent protocol, 5—push notification, 7—Syslog)
<code>station_group</code>	VARCHAR(36) DEFAULT 'none' NOT NULL	station group ID
<code>settings_set</code>	VARCHAR(36) NOT NULL	settings set UUID, see <code>alert_settings.settings_set</code>

Table indexes

Index name	Index type	Fields
<code>alert_settings_sets_pkey</code>	table primary key	<code>id_alert</code> , <code>admin</code> , <code>method</code> , <code>station_group</code> , <code>settings_set</code>

Table references

Field name	Direction	Referenced table field
<code>admin</code>	→	<code>admins.id</code>
<code>id_alert</code>	→	<code>alert_list.id_alert</code>



alert_subscribers

Administrators who are subscribed to notifications about events on station groups, and groups of tracked stations (`none` for all groups).

Table fields

Field name	Field type	Description
<code>id_alert</code>	INTEGER NOT NULL	notification ID
<code>admin</code>	VARCHAR(36) NOT NULL	UUID of the administrator to receive the notification
<code>station_group</code>	VARCHAR(36) DEFAULT 'none' NOT NULL	station group ID, see <code>station_groups</code>

Table indexes

Index name	Index type	Fields
<code>alert_subscribers_pkey</code>	table primary key clustering index	<code>admin</code> , <code>id_alert</code> , <code>station_group</code>

Table references

Field name	Direction	Referenced table field
<code>admin</code>	→	<code>admins.id</code>
<code>id_alert</code>	→	<code>alert_list.id_alert</code>
<code>station_group</code>	→	<code>groups_list.id</code>



alert_templates

Templates of administrator notifications.

Table fields

Field name	Field type	Description
id_alert	INTEGER NOT NULL	notification ID
method	INTEGER NOT NULL	send method (0—email, 2—web console, 3—SNMP protocol, 4—Dr.Web Agent protocol, 5—push notification, 7—Syslog)
admin	VARCHAR(36) DEFAULT 'none' NOT NULL	UUID of the administrator to receive the notification
language	VARCHAR(2) NOT NULL	template language
body	CLOB NOT NULL	template body

Table indexes

Index name	Index type	Fields
alert_templates_pkey	table primary key	id_alert, method, admin, language

Table references

Field name	Direction	Referenced table field
admin	→	admins.id



alert_unsent

Unsent administrator notifications.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	record UUID (to access unique record)
id_alert	INTEGER NOT NULL	notification ID
settings_set	VARCHAR(36) DEFAULT ''	settings set UUID, see alert_settings.settings_set
id_binding	VARCHAR(36) DEFAULT ''	bound variables set UUID, see alert_unsent_bindings
admin	VARCHAR(36) DEFAULT ''	UUID of the administrator to receive the notification
time_to_live	INTEGER DEFAULT '10'	send downcount
next_try	NUMERIC(17) NOT NULL	next retry time
method	INTEGER NOT NULL	send method (0—email, 2—web console, 3—SNMP protocol, 4—Dr.Web Agent protocol, 5—push notification, 7—Syslog)
address	VARCHAR(4000) DEFAULT ''	method specific recipient
error	CLOB DEFAULT ''	error due to which the message was not sent
sender	VARCHAR(36) DEFAULT ''	ID of Dr.Web Server that sent the message

Table indexes

Index name	Index type	Fields
alert_unsent_0001	simple table index	next_try
alert_unsent_0002	simple table index	id_binding
alert_unsent_pkey	table primary key	id



Table references

Field name	Direction	Referenced table field
admin	→	admins.id
id_alert	→	alert_list.id_alert
id_binding	←	alert_unsent_bindings.id

alert_unsent_bindings

Values of variables in unsent administrator notifications.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	binding UUID
name	VARCHAR(45) NOT NULL	variable name
value	CLOB DEFAULT ""	variable value

Table indexes

Index name	Index type	Fields
alert_unsent_bindings_pkey	table primary key clustering index	id, name

alert_variables

The lists of available variables in administrator notifications.

Table fields

Field name	Field type	Description
id_alert	INTEGER NOT NULL	notification ID



Field name	Field type	Description
var_name	VARCHAR(45) NOT NULL	variable name

Table indexes

Index name	Index type	Fields
alert_variables_pkey	table primary key clustering index	id_alert, var_name



2.2.3. Administrators

admin_attributes

Arbitrary attributes of Dr.Web Server administrator accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	admin UUID
attribute	INTEGER NOT NULL	attribute number
sequenceno	INTEGER NOT NULL	attribute sequence number
svalue	TEXT DEFAULT ''	attribute string value
nvalue	NUMERIC(19) DEFAULT '0'	attribute numeric value

Table indexes

Index name	Index type	Fields
admin_attributes_pkey	table primary key clustering index	id, attribute, sequenceno

Table references

Field name	Direction	Referenced table field
id	→	admins.id



admin_flat_objects

Cache of objects available to administrators according to their permissions.

Table fields

Field name	Field type	Description
id_admin	VARCHAR(36) NOT NULL	admin UUID
nright	INTEGER NOT NULL	numeric code for administrative permission
id_object	VARCHAR(36) NOT NULL	administrated object ID

Table indexes

Index name	Index type	Fields
admin_flat_objects_pkey	table primary key clustering index	id_admin, nright, id_object

Table references

Field name	Direction	Referenced table field
id_admin	→	admins.id

admin_group_objects

Objects of permissions for administrator groups.

Table fields

Field name	Field type	Description
id_group	VARCHAR(36) NOT NULL	group UUID
nright	INTEGER NOT NULL	numeric code for administrative permission
id_object	VARCHAR(36) NOT NULL	administrated object ID



Table indexes

Index name	Index type	Fields
admin_group_objects_pkey	table primary key clustering index	id_group, nright, id_object

admin_group_parent

Parent groups of administrator groups.

Table fields

Field name	Field type	Description
id_group	VARCHAR(36) NOT NULL	group UUID
id_parent	VARCHAR(36) NOT NULL	parent group UUID
modtime	NUMERIC(17) DEFAULT '0'	last modification timestamp
inherit	INTEGER DEFAULT '1'	specifies whether group inherits parent attributes (1 for true)

Table indexes

Index name	Index type	Fields
admin_group_parent_0001	simple table index	id_parent
admin_group_parent_pkey	table primary key	id_group

admin_group_rights

Permissions for administrator groups.

Table fields

Field name	Field type	Description
id_group	VARCHAR(36) NOT NULL	group UUID



Field name	Field type	Description
nright	INTEGER NOT NULL	numeric code for administrative permission
value	INTEGER DEFAULT '0'	value for administrative permission
modtime	NUMERIC(17) DEFAULT '0'	last modification timestamp

Table indexes

Index name	Index type	Fields
admin_group_rights_pkey	table primary key	id_group, nright

admin_groups

Groups of Dr.Web Server administrators.

Table fields

Field name	Field type	Description
id_group	VARCHAR(36) NOT NULL	group UUID
name	TEXT DEFAULT ''	human-readable name
descr	TEXT DEFAULT ''	human-readable description
modtime	NUMERIC(17) DEFAULT '0'	last modification timestamp

Table indexes

Index name	Index type	Fields
admin_groups_pkey	table primary key	id_group



admin_msg_lst

Content of messages sent by administrator to stations.

Table fields

Field name	Field type	Description
mid	VARCHAR(36) NOT NULL	message UUID
msg_body	TEXT DEFAULT ''	message body
msg_options	INTEGER DEFAULT '0'	message options, see db-admin-msg-options .ds/.h
logo_url	TEXT DEFAULT ''	URL to open when clicking a user logo
logo_text	TEXT DEFAULT ''	text to display next to a user logo
logo_file	CLOB DEFAULT ''	path to a user logo file
link_url	TEXT DEFAULT ''	URL of a user link
link_text	TEXT DEFAULT ''	text to display as a name of a user link
created	NUMERIC(17) NOT NULL	message creation time

Table indexes

Index name	Index type	Fields
admin_msg_lst_pkey	table primary key	mid

admin_msg_templates

Templates of messages sent by administrator to stations.

Table fields

Field name	Field type	Description
template_id	VARCHAR(36) NOT NULL	template UUID
msg_body	TEXT DEFAULT ''	message body



Field name	Field type	Description
msg_options	INTEGER DEFAULT '0'	message options, see db-admin-msg-options .ds/.h
logo_url	TEXT DEFAULT ''	URL to open when clicking a user logo
logo_text	TEXT DEFAULT ''	text to display next to a user logo
logo_file	CLOB DEFAULT ''	path to a user logo file
link_url	TEXT DEFAULT ''	URL of a user link
link_text	TEXT DEFAULT ''	text to display as a name of a user link
admin	VARCHAR(36) NOT NULL	UUID of the administrator who created the message template
name	VARCHAR(100) DEFAULT ''	template name

Table indexes

Index name	Index type	Fields
admin_msg_templates_0001	simple table index clustering index	admin
admin_msg_templates_pkey	table primary key	template_id

Table references

Field name	Direction	Referenced table field
admin	→	admins.id



admin_objects

Objects of permissions for administrators.

Table fields

Field name	Field type	Description
id_admin	VARCHAR(36) NOT NULL	administrator UUID
nright	INTEGER NOT NULL	numeric code for administrative permission
id_object	VARCHAR(36) NOT NULL	administrated objects ID

Table indexes

Index name	Index type	Fields
admin_objects_pkey	table primary key clustering index	id_admin, nright, id_object

Table references

Field name	Direction	Referenced table field
id_admin	→	admins.id

admin_rights

Permissions for administrators.

Table fields

Field name	Field type	Description
id_admin	VARCHAR(36) NOT NULL	administrator UUID
nright	INTEGER NOT NULL	numeric code for administrative permission
value	INTEGER DEFAULT '0'	value for administrative permission



Field name	Field type	Description
modtime	NUMERIC(17) DEFAULT '0'	last modification timestamp

Table indexes

Index name	Index type	Fields
admin_rights_pkey	table primary key	id_admin, nright

Table references

Field name	Direction	Referenced table field
id_admin	→	admins.id

admin_to_admin_group

Parent groups of administrators.

Table fields

Field name	Field type	Description
id_group	VARCHAR(36) NOT NULL	group UUID
id_admin	VARCHAR(36) NOT NULL	administrator UUID
modtime	NUMERIC(17) DEFAULT '0'	last modification timestamp
inherit	INTEGER DEFAULT '1'	specifies whether administrator inherits parent group attributes (1 for true)

Table indexes

Index name	Index type	Fields
admin_to_admin_group_pkey	table primary key	id_admin



Table references

Field name	Direction	Referenced table field
id_admin	→	admins.id

admins

Data of Dr.Web Server administrator accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	administrator UUID
login	VARCHAR(100) NOT NULL	login name
password	TEXT DEFAULT ''	password, plain or encrypted
fname	TEXT DEFAULT ''	first name
mname	TEXT DEFAULT ''	middle name
lname	TEXT DEFAULT ''	last name
descr	TEXT DEFAULT ''	description/notes/etc.
addr	TEXT DEFAULT ''	current network address
lastseenfrom	TEXT DEFAULT ''	network address of the last connection
lastseenat	NUMERIC(17) DEFAULT '0'	time of the last connection
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time
externalauth	INTEGER DEFAULT '0'	autocreated using external authentication
langcode	VARCHAR(8) DEFAULT ''	interface language
datecode	VARCHAR(8) DEFAULT ''	date format
email	VARCHAR(256)	email address
timezone	VARCHAR(8)	local time zone



Table indexes

Index name	Index type	Fields
admins_0001	unique table index	id
admins_pkey	table primary key	login



2.2.4. License Management

available_keys

The list of license keys added to Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	license key ID
value	CLOB DEFAULT ''	file content
type	INTEGER DEFAULT '0'	type, see db-key-type
created	NUMERIC(17) DEFAULT '0'	record creation time
used_stations	NUMERIC(10) DEFAULT '0'	number of licenses used by stations
used_neighbors	NUMERIC(10) DEFAULT '0'	number of licenses used by neighbor Dr.Web Servers

Table indexes

Index name	Index type	Fields
available_keys_pkey	table primary key	id

group_key

Information on license keys of station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
kid	VARCHAR(36) NOT NULL	license key ID
modtime	NUMERIC(17) DEFAULT '0'	record modification time



Table indexes

Index name	Index type	Fields
group_key_0001	simple table index clustering index	id
group_key_pkey	table primary key	id, kid

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

key_components

The list of anti-virus components allowed by a license key.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	license key ID
component	INTEGER NOT NULL	component number
created	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
key_components_pkey	table primary key clustering index	id, component



key_exchange

Data on licenses propagated on interserver connections.

Table fields

Field name	Field type	Description
lid	VARCHAR(36) NOT NULL	interserver connection ID
kid	VARCHAR(36) NOT NULL	license key ID
count	NUMERIC(10) DEFAULT '0'	number of licenses
expiration	NUMERIC(19) DEFAULT '0'	session expiration time
valid_thru	NUMERIC(19) DEFAULT '0'	absolute expiration time
state	INTEGER	exchange state, see db-key-exchange-state
modtime	NUMERIC(17) DEFAULT '0'	record modification time
rp_period	INTEGER DEFAULT '0'	period to send license usage report
st_period	INTEGER DEFAULT '0'	period to mark stations as active
rp_delivered	INTEGER DEFAULT '0'	flag that license usage report was delivered

Table indexes

Index name	Index type	Fields
key_exchange_pkey	table primary key clustering index	lid, kid

key_renew_exchange

Data on updates of licenses propagated on interserver connections.

Table fields

Field name	Field type	Description
okid	VARCHAR(36) NOT NULL	old license key ID



Field name	Field type	Description
nkid	VARCHAR(36) DEFAULT ''	new license key ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
created	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
key_renew_exchange_pkey	table primary key clustering index	lid, okid

key_usage_reports

Report on licenses propagated on interserver connections. General information.

Table fields

Field name	Field type	Description
rid	VARCHAR(36) NOT NULL	report UUID
kid	VARCHAR(36) NOT NULL	license key ID
lid	VARCHAR(36) DEFAULT ''	interserver connection ID of the message sender or empty if it is a self-report
osid	VARCHAR(36) NOT NULL	originator Dr.Web Server ID
oname	TEXT DEFAULT ''	Dr.Web Server name
created	NUMERIC(17) DEFAULT '0'	time of report creation on the originator Dr.Web Server

Table indexes

Index name	Index type	Fields
key_usage_reports_0001	simple table index	kid
key_usage_reports_pkey	table primary key	rid



key_usage_reports_grp

Report on licenses propagated on interserver connections. Licenses propagated by the report creator to its station groups.

Table fields

Field name	Field type	Description
rid	VARCHAR(36) NOT NULL	report UUID
obj_name	TEXT DEFAULT ''	group or neighbor Dr.Web Server name
count_all	NUMERIC(10) DEFAULT '0'	number of total licenses propagated to groups
count_act	NUMERIC(10)	number of active stations in groups

Table indexes

Index name	Index type	Fields
key_usage_reports_grp_0001	simple table index	rid

Table references

Field name	Direction	Referenced table field
rid	↔	key_usage_reports.rid

key_usage_reports_srv

Report on licenses propagated on interserver connections. Licenses granted by the report creator to its child Dr.Web Servers.

Table fields

Field name	Field type	Description
rid	VARCHAR(36) NOT NULL	report UUID



Field name	Field type	Description
obj_name	TEXT DEFAULT ''	group or neighbor Dr.Web Server name
count	NUMERIC(10) DEFAULT '0'	number of propagated licenses
state	INTEGER	see db-key-exchange-state

Table indexes

Index name	Index type	Fields
key_usage_reports_srv_0001	simple table index	rid

Table references

Field name	Direction	Referenced table field
rid	↔	key_usage_reports.rid

policy_key

License keys of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
kid	VARCHAR(36) NOT NULL	license key ID

Table indexes

Index name	Index type	Fields
policy_key_0001	simple table index clustering index	id
policy_key_pkey	table primary key	id, kid



Table references

Field name	Direction	Referenced table field
id	→	policy_list.id

policy_key_lst

License keys of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
kid	VARCHAR(36) NOT NULL	license key ID

Table indexes

Index name	Index type	Fields
policy_key_lst_pkey	table primary key clustering index	id, version, kid

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



station_key

Information on license keys of stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
kid	VARCHAR(36) NOT NULL	license key ID
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_key_0001	simple table index clustering index	id
station_key_pkey	table primary key	id, kid

Table references

Field name	Direction	Referenced table field
id	→	stations.id



2.2.5. Catalogs

cat_alert_body

Catalog for body text of administrator notifications.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_alert_body_0001	simple table index clustering index	shash

cat_alert_dev

Tokens of mobile applications that receive administrator notifications.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_alert_dev_0001	simple table index clustering index	shash

cat_alert_subj

Catalog for subjects of administrator notifications.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_alert_subj_0001	simple table index clustering index	shash

cat_descr

Catalog for descriptions of anti-virus network nodes.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID



Field name	Field type	Description
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_descr_0001	unique table index	str

cat_dev_friendly_name

Catalog for device friendly names.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_dev_friendly_name_0001	simple table index clustering index	shash



cat_dev_group_descr

Catalog for description of device groups.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_dev_group_descr_0001	simple table index clustering index	shash

cat_dev_group_name

Catalog for name of device groups.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_dev_group_name_0001	unique table index	str



cat_device_class

Catalog for class of device.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_device_class_0001	unique table index	str

cat_device_descr

Catalog for description of device.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_device_descr_0001	simple table index clustering index	shash



cat_device_instance

Catalog for device instances.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_device_instance_0001	unique table index	str

cat_filesystem

Catalog for filesystems.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_filesystem_0001	unique table index	str



cat_hash

Catalog for hash values.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(64) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_hash_0001	unique table index	str

cat_hashdb

Catalog for hash database reports.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_hashdb_0001	unique table index	str



cat_job

Catalog for names of Scheduler tasks.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_job_0001	unique table index	str

cat_job_srv

Catalog for error messages at executing Scheduler tasks for Dr.Web Server.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_job_srv_0001	simple table index clustering index	shash



cat_job_stn

Catalog for error messages at executing Scheduler tasks for stations.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_job_stn_0001	simple table index clustering index	shash

cat_ldapdn

Catalog for station distinguished names (LDAP DN).

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_ldapdn_0001	unique table index	str



cat_mac

Catalog for station MAC addresses.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(128) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_mac_0001	unique table index	str

cat_mod_descr

Catalog for program modules descriptions.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_mod_descr_0001	simple table index clustering index	shash



cat_mod_md5

Catalog for program modules MD5.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(128) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_mod_md5_0001	unique table index	str

cat_mod_name

Catalog for program modules names.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_mod_name_0001	simple table index clustering index	shash



cat_mod_ver

Catalog for program modules versions.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_mod_ver_0001	simple table index clustering index	shash

cat_name_groups

Catalog for names of station groups.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_name_groups_0001	unique table index	str



cat_name_links

Catalog for names of neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_name_links_0001	unique table index	str

cat_name_stations

Catalog for names of stations.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_name_stations_0001	unique table index	str



cat_os_group_descr

Catalog for description of OS user groups.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_os_group_descr_0001	simple table index clustering index	shash

cat_os_group_name

Catalog for names of OS user groups.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_os_group_name_0001	simple table index clustering index	shash

cat_os_sid

Catalog for user and user groups security identifiers (SID).

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(255) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_os_sid_0001	unique table index	str

cat_os_user_name

Catalog for names of OS users.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_os_user_name_0001	simple table index clustering index	shash

cat_path

Catalog for paths.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_path_0001	simple table index clustering index	shash

cat_profile_name

Catalog for names of profiles.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID



Field name	Field type	Description
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_profile_name_0001	simple table index clustering index	shash

cat_reason

Catalog for description of client disconnection reasons.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_reason_0001	simple table index clustering index	shash



cat_rule_name

Catalog for names of profile rules.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_rule_name_0001	simple table index clustering index	shash

cat_run_param

Catalog for parameters of launching programs and modules.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_run_param_0001	simple table index clustering index	shash

cat_sid

Catalog for station security identifiers (SID).

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(255) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_sid_0001	unique table index	str

cat_upd_admin

Catalog of administrator logins who launched the update manually, in Dr.Web Server update log.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_upd_admin_0001	unique table index	str

cat_upd_descr

Catalog of product descriptions in Dr.Web Server update log.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	TEXT NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_upd_descr_0001	simple table index clustering index	shash

cat_upd_files

Catalog of file names in Dr.Web Server update log.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash



Field name	Field type	Description
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_upd_files_0001	simple table index clustering index	shash

cat_upd_product

Catalog of product names in Dr.Web Server update log.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_upd_product_0001	unique table index	str

cat_users

Catalog of OS user names on stations.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID



Field name	Field type	Description
str	VARCHAR(450) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_users_0001	unique table index	str

cat_vdb

Catalog for virus database names.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(128) NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_vdb_0001	unique table index	str

cat_virus

Catalog of detected threat names.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string



Table indexes

Index name	Index type	Fields
cat_virus_0001	unique table index	str

cat_virusinfo

Catalog for information on detected threats in the quarantine objects.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
shash	NUMERIC(11)	unsigned 32bit integer string hash
str	CLOB NOT NULL	string

Table indexes

Index name	Index type	Fields
cat_virusinfo_0001	simple table index clustering index	shash

env_strings

Catalog of text data for tables with information on hardware and software on stations of this and neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	string ID
str	VARCHAR(450) NOT NULL	string



Table indexes

Index name	Index type	Fields
env_strings_0001	unique table index	str



2.2.6. Stations and Anti-virus Network Tree

ads_computers

Active Directory computers.

Table fields

Field name	Field type	Description
pid	VARCHAR(36) NOT NULL	parent container GUID
sid	VARCHAR(255) NOT NULL	computer SID

Table indexes

Index name	Index type	Fields
ads_computers_pkey	table primary key	sid

ads_containers

Active Directory containers.

Table fields

Field name	Field type	Description
pid	VARCHAR(36) DEFAULT ''	parent container ID
cid	VARCHAR(36) NOT NULL	container ID
dn	TEXT NOT NULL	container DN
sid	VARCHAR(255) DEFAULT ''	container SID
name	TEXT DEFAULT ''	object name



Table indexes

Index name	Index type	Fields
ads_containers_0001	simple table index clustering index	pid
ads_containers_pkey	table primary key	cid

ads_users

Active Directory users.

Table fields

Field name	Field type	Description
sid	VARCHAR(255) NOT NULL	user SID
dn	TEXT NOT NULL	user DN
pid	VARCHAR(36) NOT NULL	parent container GUID
name	TEXT DEFAULT ""	object name

Table indexes

Index name	Index type	Fields
ads_users_0001	simple table index clustering index	pid
ads_users_pkey	table primary key	sid



client_address

Addresses of clients who represent organizations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	organization ID
orgref	INTEGER NOT NULL	reference to use from client_org
country	VARCHAR(2) NOT NULL	country ISO code
zip	VARCHAR(256) NOT NULL	ZIP code
city	VARCHAR(256) NOT NULL	city name
street1	VARCHAR(256) NOT NULL	street, line #1
street2	VARCHAR(256)	street, line #2

Table indexes

Index name	Index type	Fields
client_address_pkey	table primary key clustering index	id, orgref

client_bankinfo

Bank information about clients who represent organizations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	organization ID
name	INTEGER NOT NULL	attribute name
value	VARCHAR(256)	attribute value



Table indexes

Index name	Index type	Fields
client_bankinfo_pkey	table primary key clustering index	id, name

client_org

Credentials of clients who represent organizations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	organization ID
full_name	VARCHAR(256)	organization full name
name	VARCHAR(256)	organization short name
phone	VARCHAR(20)	phone number
email	VARCHAR(256)	email address
url	VARCHAR(256)	website
contract	VARCHAR(30)	contract number
contract_date	NUMERIC(17)	contract date
jaddr	INTEGER DEFAULT '0'	reference to client_address for client legal address
baddr	INTEGER DEFAULT '0'	reference to client_address for client bank address reference
paddr	INTEGER DEFAULT '0'	reference to client_address for client post address reference
laddr	INTEGER DEFAULT '0'	reference to client_address for client location address reference



Table indexes

Index name	Index type	Fields
client_org_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

deleted_groups

Information on deleted tariff groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
pid	VARCHAR(36) DEFAULT ''	parent group
name	TEXT DEFAULT ''	group name
descr	TEXT DEFAULT ''	description/notes/etc.
type	INTEGER DEFAULT '0'	type of tariff group
platform	NUMERIC(12) DEFAULT ''	group platform (for system groups)
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time
deleted	NUMERIC(17) DEFAULT '0'	group deletion time

Table indexes

Index name	Index type	Fields
deleted_groups_pkey	table primary key	id



depot_station_accounting

Accounting information on deleted station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
freedays	INTEGER NOT NULL	grace period in days

Table indexes

Index name	Index type	Fields
depot_station_accounting_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	depot_stations.id

depot_station_attributes

Attributes of deleted station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
attribute	INTEGER NOT NULL	attribute
value	VARCHAR(4000)	attribute value
modtime	NUMERIC(17)	modification time



Table indexes

Index name	Index type	Fields
depot_station_attributes_pkey	table primary key	id, attribute

Table references

Field name	Direction	Referenced table field
id	→	depot_stations.id

depot_station_extra

Extra information on deleted station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
descr	TEXT DEFAULT ''	description/notes/etc.
organization	TEXT DEFAULT ''	organization
department	TEXT DEFAULT ''	department
country	VARCHAR(2) DEFAULT ''	2-letter country ISO code
province	TEXT DEFAULT ''	state/province/etc.
city	TEXT DEFAULT ''	city
street	TEXT DEFAULT ''	street
floor	TEXT DEFAULT ''	floor
room	TEXT DEFAULT ''	room
latitude	INTEGER DEFAULT '0'	latitude, in seconds, +north -south
longitude	INTEGER DEFAULT '0'	longitude, in seconds, +east -west



Field name	Field type	Description
email	TEXT DEFAULT ''	administrator email
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
depot_station_extra_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	depot_stations.id

depot_station_history

Operation history of deleted station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
oper	INTEGER DEFAULT '0'	operations, see st-history-values .ds/.h
rate	VARCHAR(36) DEFAULT ''	tariff ID
date1	NUMERIC(17) DEFAULT '0'	1st date for the period start (station creation, station expiration) or grace period duration
date2	NUMERIC(17) DEFAULT '0'	2nd date for the period end
created	NUMERIC(17) NOT NULL	record creation time



Table indexes

Index name	Index type	Fields
depot_station_history_0001	simple table index	id

Table references

Field name	Direction	Referenced table field
id	→	depot_stations.id

depot_stations

Base information on deleted station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
gid	VARCHAR(36) NOT NULL	primary group ID
rate	VARCHAR(36) DEFAULT ''	station current tariff ID
kid	VARCHAR(36) DEFAULT ''	license key ID
osgroup	VARCHAR(36) DEFAULT ''	operating system group
password	TEXT DEFAULT ''	password as plain text
name	TEXT DEFAULT ''	station name
state	INTEGER DEFAULT '0'	current state, see st-db-state .ds/.h
addr	TEXT DEFAULT ''	current network address
lastseenfrom	TEXT DEFAULT ''	network address of the last connection
lastseenat	NUMERIC(17) NOT NULL	time of the last connection
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time



Field name	Field type	Description
lastos	NUMERIC(12) DEFAULT '0'	last reported operating system
server	VARCHAR(36) DEFAULT ''	login server
expires	NUMERIC(17) DEFAULT '0'	account expiration time
blockbeg	NUMERIC(17) DEFAULT '0'	account blocking start date
blockend	NUMERIC(17) DEFAULT '0'	account blocking end date
allowedaddr	TEXT DEFAULT ''	allowed addresses ACL
osclass	INTEGER DEFAULT '0'	operating system class, see st-db-osclass .h/.ds
prototype	INTEGER DEFAULT '0'	network protocol type, see st-db-proto .ds/.h
haspersset	INTEGER DEFAULT '0'	if the station has personal settings
modpersetime	NUMERIC(17) DEFAULT '0'	the `haspersset` field modification time
emplace_id	VARCHAR(36) DEFAULT ''	emplacing ID, may be non-empty only during emplacing
reboot	INTEGER DEFAULT '0'	reboot state, see st-db-reboot .ds/.h
sid	VARCHAR(255) DEFAULT ''	SID—security identifier of Windows OS user account
ldapdn	VARCHAR(512) DEFAULT ''	LDAP—distinguished name of a station under Windows OS
lastos_bldnum	INTEGER DEFAULT '0'	OS build number, Windows only
type	INTEGER DEFAULT '0'	station type, see st-db-type .ds/.h

Table indexes

Index name	Index type	Fields
depot_stations_0001	simple table index clustering index	modtime
depot_stations_pkey	table primary key	id



group_accounting

Information on a grace period of station groups (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
freedays	INTEGER	cost-free period in days

Table indexes

Index name	Index type	Fields
group_accounting_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_attributes

Arbitrary attributes of station groups. Currently not used.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
attribute	INTEGER NOT NULL	attribute
value	VARCHAR(4000)	attribute value
modtime	NUMERIC(17)	modification time



Table indexes

Index name	Index type	Fields
group_attributes_pkey	table primary key clustering index	id, attribute

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_children

The list of child groups for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
child	VARCHAR(36) NOT NULL	child group ID

Table indexes

Index name	Index type	Fields
group_children_pkey	table primary key	id, child



group_parent

Information on parent groups for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
pid	VARCHAR(36) NOT NULL	parent group ID
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
group_parent_0001	simple table index	pid
group_parent_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_password

Passwords for the access to groups (used by group installers).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
password	VARCHAR(256) NOT NULL	password to access the group (used by group installers)



Table indexes

Index name	Index type	Fields
group_password_pkey	table primary key	id

group_stations_count

Cache of the number of stations in groups.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	server ID
flags	INTEGER NOT NULL	counting flags, see st-db-counting .ds/.h
group_id	VARCHAR(36) NOT NULL	group ID
admin_id	VARCHAR(36) NOT NULL	admin UUID
count	INTEGER NOT NULL	number of stations
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
group_stations_count_pkey	table primary key clustering index	osid, admin_id, flags, group_id



grouping_rules

Information on automatic membership in user groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
script	TEXT DEFAULT ''	script for automatic grouping
gr_rule	TEXT DEFAULT ''	rule for automatic grouping

Table indexes

Index name	Index type	Fields
grouping_rules_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

groups_list

The list of station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
name	TEXT DEFAULT ''	group name
descr	TEXT DEFAULT ''	description/notes/etc.
type	INTEGER DEFAULT '0'	type: system/user/etc.



Field name	Field type	Description
platform	NUMERIC(12) DEFAULT '0'	group platform (for system groups)
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time
haspersset	INTEGER DEFAULT '0'	if the group has personal settings
modpersetime	NUMERIC(17) DEFAULT '0'	the `haspersset` field modification time

Table indexes

Index name	Index type	Fields
groups_list_pkey	table primary key	id

iface_hidden_groups

Information on displaying groups in the anti-virus network tree.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	record owner (admin.id)
gid	VARCHAR(36) NOT NULL	group ID
flag	INTEGER DEFAULT '1'	0 = hidden

Table indexes

Index name	Index type	Fields
iface_hidden_groups_pkey	table primary key clustering index	id, gid



Table references

Field name	Direction	Referenced table field
id	→	admins.id

msad_object

Display names of the Active Directory objects.

Table fields

Field name	Field type	Description
sid	VARCHAR(255) NOT NULL	user/group SID
name	TEXT DEFAULT ''	display name

Table indexes

Index name	Index type	Fields
msad_object_pkey	table primary key	sid

newbies

The list of unapproved stations (newbies).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	TEXT DEFAULT ''	station name
addr	TEXT DEFAULT ''	station network address
connected	NUMERIC(17) DEFAULT '0'	connection time
platform	NUMERIC(12) DEFAULT '0'	reported operating system



Field name	Field type	Description
server	VARCHAR(36) DEFAULT ''	server
admin	VARCHAR(36) DEFAULT ''	login name of the administrator who changed the action on the station connect
admaddr	TEXT DEFAULT ''	network address of the administrator who changed the action on the station connect
onconnect	INTEGER DEFAULT '0'	the action on the station connect, see newbie-db-onconnect.ds
stationid	VARCHAR(36) DEFAULT ''	ID of the station after approving (onconnect==approve)
gid	VARCHAR(36) DEFAULT ''	ID of the group to which the station approved (onconnect==approve)
rate	VARCHAR(36) DEFAULT ''	rate of the station after approving (onconnect==approve)
state	INTEGER DEFAULT '1'	see newbie-db-state.ds
no_grace	INTEGER DEFAULT '0'	flag to disable grace period
description	TEXT DEFAULT ''	station description
ldapdn	TEXT DEFAULT ''	station LDAP DN
mac	VARCHAR(128) DEFAULT ''	station MAC
sid	VARCHAR(256) DEFAULT ''	station SID

Table indexes

Index name	Index type	Fields
newbies_pkey	table primary key	id



policy_list

The list of policies for configuring stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
name	VARCHAR(255) DEFAULT 'Unnamed'	policy name
version	NUMERIC(17) DEFAULT '0'	current version of a policy (0 if there is no current version)

Table indexes

Index name	Index type	Fields
policy_list_pkey	table primary key	id

policy_stations

Assigning policies to stations.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	station ID
id	VARCHAR(36) NOT NULL	policy ID
assigned	NUMERIC(17) DEFAULT '0'	assigning time

Table indexes

Index name	Index type	Fields
policy_stations_0001	simple table index	id



Index name	Index type	Fields
policy_stations_pkey	table primary key	sid

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id
sid	→	stations.id

policy_versions

The list of policy versions for configuring stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version

Table indexes

Index name	Index type	Fields
policy_versions_pkey	table primary key clustering index	id, version

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



proxies

Accounts of Proxy servers connected to Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	proxy ID
gid	VARCHAR(36) NOT NULL	primary group ID
password	TEXT DEFAULT ''	password as plain text
name	TEXT DEFAULT ''	station name, if the Proxy server is linked to a station
state	INTEGER DEFAULT '0'	current state, see st-db-state .ds/.h
addr	TEXT DEFAULT ''	current network address
lastseenfrom	TEXT DEFAULT ''	network address of the last connection
lastseenat	NUMERIC(17) DEFAULT '0'	time of the last connection
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time
server	VARCHAR(36) DEFAULT ''	login server
prototype	INTEGER DEFAULT '0'	network protocol type, see st-db-proto .ds/.h
station	VARCHAR(36) DEFAULT ''	station ID, if the Proxy server is linked to a station
haspersset	INTEGER DEFAULT '0'	if the Proxy server has personal settings
modpersetime	NUMERIC(17) DEFAULT '0'	the `haspersset` field modification time

Table indexes

Index name	Index type	Fields
proxies_0001	simple table index	station
proxies_pkey	table primary key	id



station_accounting

Information on station grace period (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
freedays	INTEGER NOT NULL	grace period in days

Table indexes

Index name	Index type	Fields
station_accounting_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_attributes

Arbitrary attributes of station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
attribute	INTEGER NOT NULL	attribute
value	VARCHAR(4000)	attribute value
modtime	NUMERIC(17)	modification time



Table indexes

Index name	Index type	Fields
station_attributes_0001	simple table index clustering index	attribute
station_attributes_pkey	table primary key	id, attribute

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_extra

Additional information on station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
descr	TEXT DEFAULT ''	description/notes/etc.
organization	TEXT DEFAULT ''	organization
department	TEXT DEFAULT ''	department
country	VARCHAR(2) DEFAULT ''	2-letter country ISO code
province	TEXT DEFAULT ''	state/province/etc.
city	TEXT DEFAULT ''	city
street	TEXT DEFAULT ''	street
floor	TEXT DEFAULT ''	floor
room	TEXT DEFAULT ''	room
latitude	INTEGER DEFAULT '0'	latitude, in seconds, +north -south



Field name	Field type	Description
longitude	INTEGER DEFAULT '0'	longitude, in seconds, +east -west
email	TEXT DEFAULT ''	administrator email
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_extra_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_groups

Information about the placement of stations in user groups.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	station ID
gid	VARCHAR(36) NOT NULL	group ID
createtime	NUMERIC(17) DEFAULT '0'	record creation time
autoadded	INTEGER DEFAULT '0'	if the station is added to the group according to automatic membership rules

Table indexes

Index name	Index type	Fields
station_groups_0001	simple table index	gid



Index name	Index type	Fields
station_groups_0002	simple table index	sid
station_groups_pkey	table primary key clustering index	sid, gid

Table references

Field name	Direction	Referenced table field
sid	→	stations.id

station_links

Information about the station interconnects.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
lid	VARCHAR(36) NOT NULL	linked station ID
established	NUMERIC(17) NOT NULL	link establishment time

Table indexes

Index name	Index type	Fields
station_links_pkey	table primary key clustering index	id, lid

Table references

Field name	Direction	Referenced table field
id	→	stations.id



Field name	Direction	Referenced table field
lid	→	stations.id

stations

Data of station accounts.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
gid	VARCHAR(36) NOT NULL	primary group ID
rate	VARCHAR(36) DEFAULT ''	station current tariff ID
kid	VARCHAR(36) DEFAULT ''	license key ID
osgroup	VARCHAR(36) DEFAULT ''	operating system group
password	TEXT DEFAULT ''	password as plain text
name	TEXT DEFAULT ''	station name
state	INTEGER DEFAULT '0'	current state, see st-db-state .ds/.h
addr	TEXT DEFAULT ''	current network address
lastseenfrom	TEXT DEFAULT ''	network address of the last connection
lastseenat	NUMERIC(17) NOT NULL	time of the last connection
createtime	NUMERIC(17) DEFAULT '0'	record creation time
modtime	NUMERIC(17) DEFAULT '0'	record modification time
lastos	NUMERIC(12) DEFAULT '0'	last reported operating system
server	VARCHAR(36) DEFAULT ''	login server
expires	NUMERIC(17) DEFAULT '0'	account expiration time
blockbeg	NUMERIC(17) DEFAULT '0'	account blocking start date
blockend	NUMERIC(17) DEFAULT '0'	account blocking end date



Field name	Field type	Description
allowedaddr	TEXT DEFAULT ''	allowed addresses ACL
osclass	INTEGER DEFAULT '0'	operating system class, see st-db-osclass .h/.ds
prototype	INTEGER DEFAULT '0'	network protocol type, see st-db-proto .ds/.h
haspersset	INTEGER DEFAULT '0'	if the station has personal settings
modpersetime	NUMERIC(17) DEFAULT '0'	the `haspersset` field modification time
emplace_id	VARCHAR(36) DEFAULT ''	emplacing ID, may be non-empty only during emplacing
reboot	INTEGER DEFAULT '0'	reboot state, see st-db-reboot .ds/.h
sid	VARCHAR(255) DEFAULT ''	SID—security identifier of Windows OS user account
ldapdn	VARCHAR(512) DEFAULT ''	LDAP—distinguished name of a station under Windows OS
lastos_bldnum	INTEGER DEFAULT '0'	OS build number, Windows only
type	INTEGER DEFAULT '0'	station type, see st-db-type .ds/.h

Table indexes

Index name	Index type	Fields
stations_0001	simple table index clustering index	gid
stations_0002	simple table index	lastseenat
stations_0003	simple table index	sid
stations_pkey	table primary key	id



stations_left_groups

The list of groups in which the stations were previously included.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	station ID
gid	VARCHAR(36) NOT NULL	group ID
createtime	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
stations_left_groups_0001	simple table index clustering index	gid

Table references

Field name	Direction	Referenced table field
gid	→	groups_list.id
sid	→	stations.id



2.2.7. Neighborhood

servers

The list of neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	this Dr.Web Server ID
id	VARCHAR(36) NOT NULL	interserver connection ID (lid in other tables)
name	VARCHAR(64) NOT NULL	attribute name
value	TEXT DEFAULT ''	attribute value
updatetime	NUMERIC(17) DEFAULT '0'	record creation

Table indexes

Index name	Index type	Fields
servers_0001	simple table index clustering index	osid, id, name

srv_names

Identification data of neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	server ID
oname	TEXT DEFAULT ''	server name
updatetime	NUMERIC(17) NOT NULL	record time



Table indexes

Index name	Index type	Fields
srv_names_0001	simple table index	updatetime
srv_names_pkey	table primary key	osid

srv_unsent

Events which have not been sent to the neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
mid	VARCHAR(36) NOT NULL	message UUID
id	VARCHAR(36) DEFAULT ''	station ID
stationname	INTEGER DEFAULT '0'	station name
event	TEXT DEFAULT ''	event name
data	CLOB DEFAULT ''	event data
lastsent	NUMERIC(17) DEFAULT '0'	last sent time
arrived	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
srv_unsent_0001	simple table index clustering index	lid, osid
srv_unsent_0002	simple table index	lid, mid



Table references

Field name	Direction	Referenced table field
osid	←	srv_recvhistory.mid
stationname	↔	cat_name_stations.id



2.2.8. Application Control

appctl_bases

Content of trusted applications group of Application Control.

Table fields

Field name	Field type	Description
dbid	VARCHAR(36) NOT NULL	UUID of trusted applications group
dbtype	INTEGER NOT NULL	type of trusted applications group (files or certificates)
blockno	INTEGER NOT NULL	blocking number
block	VARCHAR(1024) NOT NULL	data block of 768-bytes in base64 encoding

Table indexes

Index name	Index type	Fields
appctl_bases_pkey	table primary key clustering index	dbid, dbtype, blockno

Table references

Field name	Direction	Referenced table field
dbid	→	appctl_dir.dbid



appctl_dir

Description of trusted applications group of Application Control.

Table fields

Field name	Field type	Description
dbid	VARCHAR(36) NOT NULL	UUID of trusted applications group
srvid	VARCHAR(36) NOT NULL	ID of master Dr.Web Server (it will process)
name	VARCHAR(256) DEFAULT ''	name of trusted applications group
descr	TEXT DEFAULT ''	description of trusted applications group
params	TEXT NOT NULL	generation params of trusted applications group
begintime	NUMERIC(17) DEFAULT '0'	start time of creation
endtime	NUMERIC(17) DEFAULT '0'	end time of creation (0—incomplete)
fl_sha256	VARCHAR(256) DEFAULT ''	SHA-256 of unloaded hashes of files
fl_fsize	NUMERIC(20) DEFAULT '0'	size of unloaded hashes of files
cr_sha256	VARCHAR(256) DEFAULT ''	SHA-256 of unloaded hashes of certificates
cr_fsize	NUMERIC(20) DEFAULT '0'	size of unloaded hashes of certificates
error	TEXT DEFAULT ''	processing error

Table indexes

Index name	Index type	Fields
appctl_dir_0001	simple table index	srvid
appctl_dir_pkey	table primary key	dbid



appctl_download

Data blocks downloaded by Application Control.

Table fields

Field name	Field type	Description
dbid	VARCHAR(36) NOT NULL	UUID of trusted applications group
stid	VARCHAR(36) NOT NULL	station ID
dbtype	INTEGER NOT NULL	type of trusted applications group (files or certificates)
blockno	INTEGER NOT NULL	blocking number
block	VARCHAR(1024) NOT NULL	data block of 768-bytes in base64 encoding

Table indexes

Index name	Index type	Fields
appctl_download_0001	simple table index	stid
appctl_download_pkey	table primary key clustering index	dbid, stid, dbtype, blockno

Table references

Field name	Direction	Referenced table field
dbid	→	appctl_dir.dbid
stid	→	stations.id



appctl_event_cert

Metadata of Application Control event certificate.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	certificate ID
thumbprint	VARCHAR(64) NOT NULL	certificate thumbprint (SHA-1)
serial	TEXT NOT NULL	certificate serial number
issuer	TEXT NOT NULL	certificate issuer
subject	TEXT NOT NULL	certificate subject
ts	NUMERIC(17) NOT NULL	certificate timestamp
not_before	NUMERIC(17) NOT NULL	certificate start date
not_after	NUMERIC(17) NOT NULL	certificate end date

Table indexes

Index name	Index type	Fields
appctl_event_cert_0001	unique table index	thumbprint

appctl_event_file

Metadata of Application Control event file.

Table fields

Field name	Field type	Description
id	INTEGER PRIMARY KEY AUTOINCREMENT	file ID
sha256	VARCHAR(64) NOT NULL	file SHA-256 hash



Field name	Field type	Description
ver	TEXT DEFAULT ''	file version
descr	TEXT DEFAULT ''	file description
origname	TEXT DEFAULT ''	file original name
prodname	TEXT DEFAULT ''	File product name
prodver	TEXT DEFAULT ''	file product version
company	TEXT DEFAULT ''	file company name
filesize	NUMERIC(20) DEFAULT '0'	file size
cert	INTEGER DEFAULT '0'	certificate

Table indexes

Index name	Index type	Fields
appctl_event_file_0001	unique table index	sha256

Table references

Field name	Direction	Referenced table field
cert	↔	appctl_event_cert.id

appctl_participant

Generation participant of trusted applications group of Application Control.

Table fields

Field name	Field type	Description
dbid	VARCHAR(36) NOT NULL	UUID of trusted applications group
stid	VARCHAR(36) NOT NULL	station ID
begintime	NUMERIC(17) DEFAULT '0'	start time of creation



Field name	Field type	Description
endtime	NUMERIC(17) DEFAULT '0'	end time of creation (0—incomplete)
fl_sha256	VARCHAR(256) DEFAULT ''	expected files DB SHA256
fl_fsize	NUMERIC(20) DEFAULT '0'	expected files DB size
fl_csize	NUMERIC(20) DEFAULT '0'	current files DB size
cr_sha256	VARCHAR(256) DEFAULT ''	expected certificate DB SHA256
cr_fsize	NUMERIC(20) DEFAULT '0'	expected certificate DB size
cr_csize	NUMERIC(20) DEFAULT '0'	current certificate DB size
state	INTEGER DEFAULT '0'	see hash-db-download-status.ds

Table indexes

Index name	Index type	Fields
appctl_participant_0001	simple table index	stid
appctl_participant_pkey	table primary key clustering index	dbid, stid

Table references

Field name	Direction	Referenced table field
dbid	↔	appctl_dir.dbid



2.2.9. Dr.Web Server Configuration

news_subscription

Subscriptions on news of the Doctor Web company.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	server ID
aid	VARCHAR(36) NOT NULL	admin UUID
did	VARCHAR(36) NOT NULL	ID of news sections
createtime	NUMERIC(17) DEFAULT '0'	subscription time

Table indexes

Index name	Index type	Fields
news_subscription_0001	simple table index	did, sid
news_subscription_pkey	table primary key clustering index	sid, aid, did

Table references

Field name	Direction	Referenced table field
aid	→	admins.id
did	→	news_known_did.did



server_schedule

Dr.Web Server scheduler tasks.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	Dr.Web Server ID
item	VARCHAR(36) NOT NULL	task UUID
format	INTEGER DEFAULT '0'	value format
prefix	VARCHAR(64) NOT NULL	option prefix: time or action
field	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
asnumber	NUMERIC(19) DEFAULT '0'	option value as a number
asstring	CLOB DEFAULT ''	option value as a string

Table indexes

Index name	Index type	Fields
server_schedule_pkey	table primary key clustering index	id, item, prefix, field, seq



2.2.10. Station Configuration

proxy_cfg

Configuration of Proxy servers connected to Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	proxy ID
component	INTEGER NOT NULL	component ID (fake ID for complementing to standard structure. ID is always 146)
name	VARCHAR(255) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
value	CLOB DEFAULT ""	option value
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
proxy_cfg_pkey	table primary key clustering index	id, name, seq, component

Table references

Field name	Direction	Referenced table field
id	→	proxies.id



station_cfg

Configuration of Anti-virus components for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
component	INTEGER NOT NULL	component ID
name	VARCHAR(255) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
value	CLOB DEFAULT ''	option value
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_cfg_pkey	table primary key clustering index	id, component, name, seq

Table references

Field name	Direction	Referenced table field
id	→	stations.id



station_hash

Settings hashes of personal installation packages.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
hash_code	VARCHAR(20) NOT NULL	hash of URL to personal installation package
createtime	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
station_hash_0001	simple table index	hash_code
station_hash_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_install

Installing anti-virus components for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
component	INTEGER NOT NULL	component ID
imode	INTEGER DEFAULT '1'	installation mode, see cmp-install.ds



Field name	Field type	Description
createtime	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
station_install_pkey	table primary key clustering index	id, component

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_rights

User permissions for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
nright	NUMERIC(19) NOT NULL	permission name
value	NUMERIC(19) DEFAULT '0'	permission value as a string

Table indexes

Index name	Index type	Fields
station_rights_pkey	table primary key clustering index	id, nright



Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_schedule

Scheduler tasks for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
item	VARCHAR(36) NOT NULL	task UUID
format	INTEGER DEFAULT '0'	option format
prefix	VARCHAR(64) NOT NULL	option prefix: time or action
field	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
asnumber	NUMERIC(19) DEFAULT '0'	option value as a number
asstring	CLOB DEFAULT ''	option value as a string

Table indexes

Index name	Index type	Fields
station_schedule_0001	simple table index	id
station_schedule_pkey	table primary key clustering index	id, item, prefix, field, seq



Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_updlimit

The chart of limitations on updates from Dr.Web Server for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
seq	INTEGER NOT NULL	sequence number
bitmap	VARCHAR(768) DEFAULT ''	schedule with transfer restrictions for a week (bitmap)
bandwidth	INTEGER	maximal transmission speed
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_updlimit_pkey	table primary key clustering index	id, seq

Table references

Field name	Direction	Referenced table field
id	→	stations.id



station_updmap

Limitations on updates from Dr.Web Server for stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
policy	INTEGER DEFAULT '0'	update policy, see update-policy .ds/.h
bandwidth	INTEGER	maximal transmission speed, NULL for unlimited
beactual	INTEGER DEFAULT '0'	send to stations all last updates instead of marked as current
older_agent_ignore	INTEGER	ignore messages on outdated virus databases from stations
older_server_gap	NUMERIC(19)	interval when products at stations are considered relevant
downgrade	INTEGER DEFAULT '0'	allow components downgrade
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_updmap_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id



2.2.11. Group Configuration

group_cfg

Anti-virus component configuration for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
component	INTEGER NOT NULL	component ID
name	VARCHAR(255) NOT NULL	parameter key
seq	INTEGER NOT NULL	sequence number of parameter value
value	CLOB DEFAULT ''	parameter value
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
group_cfg_pkey	table primary key clustering index	id, component, name, seq

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id



group_hash

Settings hashes of personal installation packages.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
rate	VARCHAR(36) DEFAULT ''	tariff ID
hash_code	VARCHAR(20) NOT NULL	hash of URL to group installation package
createtime	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
group_hash_0001	simple table index	hash_code
group_hash_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_install

Installing anti-virus components for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
component	INTEGER NOT NULL	component ID



Field name	Field type	Description
imode	INTEGER DEFAULT '1'	installation mode, see cmp-install.ds
createtime	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
group_install_pkey	table primary key clustering index	id, component

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_rights

User permissions for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
nright	NUMERIC(19) NOT NULL	permission name
value	NUMERIC(19) DEFAULT '0'	value as a string

Table indexes

Index name	Index type	Fields
group_rights_pkey	table primary key clustering index	id, nright



Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_schedule

Scheduler tasks for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
item	VARCHAR(36) NOT NULL	task UUID
format	INTEGER DEFAULT '0'	option format
prefix	VARCHAR(64) NOT NULL	option prefix: time or action
field	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
asnumber	NUMERIC(19) DEFAULT '0'	option value as a number
asstring	CLOB DEFAULT ''	option value as a string

Table indexes

Index name	Index type	Fields
group_schedule_0001	simple table index	id
group_schedule_pkey	table primary key clustering index	id, item, prefix, field, seq



Table references

Field name	Direction	Referenced table field
id	→	groups_list.id

group_updlimit

The chart of limitations on updates from Dr.Web Server for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
seq	INTEGER NOT NULL	sequence number
bitmap	VARCHAR(768) DEFAULT ''	schedule with transfer restrictions for a week (bitmap)
bandwidth	INTEGER	maximal transmission speed
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
group_updlimit_pkey	table primary key clustering index	id, seq

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id



group_updmap

Limitations on updates from Dr.Web Server for station groups.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
policy	INTEGER DEFAULT '0'	update policy, see update-policy .ds/.h
bandwidth	INTEGER	maximal transmission speed, NULL for unlimited
beactual	INTEGER DEFAULT '0'	send to stations all last updates instead of marked as current
older_agent_ignore	INTEGER	ignore messages on outdated virus databases from stations
older_server_gap	NUMERIC(19)	interval when products at stations are considered relevant
downgrade	INTEGER DEFAULT '0'	allow components downgrade
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
group_updmap_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	groups_list.id



2.2.12. Policy Configuration

policy_cfg

Configuration of Anti-virus components in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
component	INTEGER NOT NULL	component ID
name	VARCHAR(255) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
value	CLOB DEFAULT ""	option value

Table indexes

Index name	Index type	Fields
policy_cfg_pkey	table primary key clustering index	id, component, name, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_cfg_lst

Configuration of Anti-virus components in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
component	INTEGER NOT NULL	component ID
name	VARCHAR(255) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
value	CLOB DEFAULT ""	option value

Table indexes

Index name	Index type	Fields
policy_cfg_lst_pkey	table primary key clustering index	id, version, component, name, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_install

Installed component lists in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
component	INTEGER NOT NULL	component ID
imode	INTEGER DEFAULT '1'	installation mode

Table indexes

Index name	Index type	Fields
policy_install_pkey	table primary key clustering index	id, component

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id

policy_install_lst

Installed component lists in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
component	INTEGER NOT NULL	component ID



Field name	Field type	Description
imode	INTEGER DEFAULT '1'	installation mode

Table indexes

Index name	Index type	Fields
policy_install_lst_pkey	table primary key clustering index	id, version, component

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id

policy_rights

Permissions of station users in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
nright	NUMERIC(19) NOT NULL	permission name
value	NUMERIC(19) DEFAULT '0'	permission value as a string

Table indexes

Index name	Index type	Fields
policy_rights_pkey	table primary key clustering index	id, nright



Table references

Field name	Direction	Referenced table field
id	→	policy_list.id

policy_rights_lst

Permissions of station users in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
nright	NUMERIC(19) NOT NULL	permission name
value	NUMERIC(19) DEFAULT '0'	permission value as a string

Table indexes

Index name	Index type	Fields
policy_rights_lst_pkey	table primary key clustering index	id, version, nright

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_schedule

Tasks of station Scheduler in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
item	VARCHAR(36) NOT NULL	task UUID
format	INTEGER DEFAULT '0'	option format
prefix	VARCHAR(64) NOT NULL	option prefix: time or action
field	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
asnumber	NUMERIC(19) DEFAULT '0'	option value as a number
asstring	CLOB DEFAULT ''	option value as a string

Table indexes

Index name	Index type	Fields
policy_schedule_0001	simple table index	id
policy_schedule_pkey	table primary key clustering index	id, item, prefix, field, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_schedule_lst

Tasks of station Scheduler in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
item	VARCHAR(36) NOT NULL	task UUID
format	INTEGER DEFAULT '0'	option format
prefix	VARCHAR(64) NOT NULL	option prefix: time or action
field	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
asnumber	NUMERIC(19) DEFAULT '0'	option value as a number
asstring	CLOB DEFAULT ''	option value as a string

Table indexes

Index name	Index type	Fields
policy_schedule_lst_pkey	table primary key clustering index	id, version, item, prefix, field, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_updlimit

The chart of limitations on updates of stations from Dr.Web Server in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
seq	INTEGER NOT NULL	sequence number
bitmap	VARCHAR(768) DEFAULT ""	schedule with transfer restrictions for a week (bitmap)
bandwidth	INTEGER	maximal transmission speed

Table indexes

Index name	Index type	Fields
policy_updlimit_pkey	table primary key clustering index	id, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_updlimit_lst

The chart of limitations on updates of stations from Dr.Web Server in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
seq	INTEGER NOT NULL	sequence number
bitmap	VARCHAR(768) DEFAULT ""	schedule with transfer restrictions for a week (bitmap)
bandwidth	INTEGER	maximal transmission speed

Table indexes

Index name	Index type	Fields
policy_updlimit_lst_pkey	table primary key clustering index	id, version, seq

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_updmap

Limitations on updates of stations from Dr.Web Server in the settings of current policy version.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
policy	INTEGER DEFAULT '0'	update policy, see update-policy .ds/.h
bandwidth	INTEGER	maximal transmission speed, NULL for unlimited
beactual	INTEGER DEFAULT '0'	send to stations all last updates instead of marked as current
older_agent_ignore	INTEGER	ignore messages on outdated virus databases from stations
older_server_gap	NUMERIC(19)	interval when products at stations are considered relevant
downgrade	INTEGER DEFAULT '0'	allow components downgrade

Table indexes

Index name	Index type	Fields
policy_updmap_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



policy_updmap_lst

Limitations on updates of stations from Dr.Web Server in the settings of previous policy versions.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	policy ID
version	NUMERIC(17) NOT NULL	policy version
policy	INTEGER DEFAULT '0'	update policy, see update-policy .ds/.h
bandwidth	INTEGER	maximal transmission speed, NULL for unlimited
beactual	INTEGER DEFAULT '0'	send to stations all last updates instead of marked as current
older_agent_ignore	INTEGER	ignore messages on outdated virus databases from stations
older_server_gap	NUMERIC(19)	interval when products at stations are considered relevant
downgrade	INTEGER DEFAULT '0'	allow components downgrade

Table indexes

Index name	Index type	Fields
policy_updmap_lst_pkey	table primary key clustering index	id, version

Table references

Field name	Direction	Referenced table field
id	→	policy_list.id



2.2.13. Other Object Configuration

cfg_refs

References between entity configurations.

Table fields

Field name	Field type	Description
parent	VARCHAR(36) NOT NULL	parent entity ID
seq	INTEGER NOT NULL	reference sequence number
child	VARCHAR(36) NOT NULL	child entity ID

Table indexes

Index name	Index type	Fields
cfg_refs_0001	simple table index	child
cfg_refs_pkey	table primary key clustering index	parent, seq

profile_cfg

Configuration of anti-virus components for profiles.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	entity UUID
component	INTEGER NOT NULL	component ID
name	VARCHAR(255) NOT NULL	parameter key
seq	INTEGER NOT NULL	sequence number of parameter value
value	CLOB DEFAULT ""	parameter value



Field name	Field type	Description
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
profile_cfg_pkey	table primary key clustering index	id, component, name, seq

user_cfg

Configuration of anti-virus components for users.

Table fields

Field name	Field type	Description
id	VARCHAR(36) DEFAULT ''	station ID (empty for the Active Directory user/group)
sid	VARCHAR(255) NOT NULL	user/group SID, local or Active Directory (msad_object)
component	INTEGER NOT NULL	component ID
name	VARCHAR(64) NOT NULL	option name
seq	INTEGER NOT NULL	option sequence number
value	CLOB DEFAULT ''	option value
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
user_cfg_0001	unique table index clustering index	id, sid, component, name, seq



Table references

Field name	Direction	Referenced table field
id	→	stations.id



2.2.14. Dr.Web Server Events

activity_data

Attributes of audit of administrator actions.

Table fields

Field name	Field type	Description
record	VARCHAR(36) NOT NULL	record UUID
item	TEXT DEFAULT ""	parameter number
value	CLOB DEFAULT ""	parameter value
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
activity_data_0001	simple table index clustering index	record
activity_data_0002	simple table index	createtime

Table references

Field name	Direction	Referenced table field
record	→	admin_activity.record



admin_activity

Audit of administrator actions.

Table fields

Field name	Field type	Description
record	VARCHAR(36) NOT NULL	record UUID
login	VARCHAR(36) DEFAULT ''	administrator login name
address	TEXT DEFAULT ''	administrator network address
subsys	INTEGER DEFAULT '0'	operation initiator: adm-subsys .ds/.h
objid	VARCHAR(36) DEFAULT ''	administrated object (group/station) ID
oper	INTEGER DEFAULT '0'	operation
status	INTEGER DEFAULT '0'	operation status: adm-status .ds/.h
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
admin_activity_0001	simple table index clustering index	createtime
admin_activity_pkey	table primary key	record

admin_msg_log

Log of messages sent by administrator to stations.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	ID of the station to which the message was sent



Field name	Field type	Description
mid	VARCHAR(36) NOT NULL	message UUID
admin	VARCHAR(36) NOT NULL	UUID of the administrator who sent the message
subsys	INTEGER DEFAULT '0'	operation initiator: adm-subsys .ds/.h
delivered	NUMERIC(17) DEFAULT '0'	message delivery time

Table indexes

Index name	Index type	Fields
admin_msg_log_0001	simple table index	mid
admin_msg_log_0002	simple table index	sid
admin_msg_log_0003	simple table index	admin
admin_msg_log_pkey	table primary key	sid, mid

Table references

Field name	Direction	Referenced table field
admin	→	admins.id
mid	↔	admin_msg_lst.mid

group_history

Log of operations with tariff groups (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	group ID
oper	INTEGER DEFAULT '0'	operations, see st-history-values.ds
parent	VARCHAR(36) DEFAULT ''	parent ID



Field name	Field type	Description
date1	NUMERIC(17) DEFAULT '0'	component number when changing installed components
date2	NUMERIC(17) DEFAULT '0'	value for group_install.imode
created	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
group_history_0001	simple table index	id
	clustering index	

online_statistics

Statistics on detected threats sent to the Doctor Web company.

Table fields

Field name	Field type	Description
station	VARCHAR(36) DEFAULT ''	originator station ID
sid	VARCHAR(36) DEFAULT ''	not empty if being processed now
recordtime	NUMERIC(12) NOT NULL	unix timestamp, rounded to an hour
virus	VARCHAR(4000) DEFAULT ''	empty if it is the `scanned` record
amount	NUMERIC(19) DEFAULT '1'	amount

Table indexes

Index name	Index type	Fields
online_statistics_0001	simple table index	sid, recordtime
	clustering index	



server_jobs_log

Log of task execution on Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	record originator (Dr.Web Server ID)
name	INTEGER DEFAULT '0'	task name, ref cat_job
done	INTEGER DEFAULT '0'	0 if the task failed, != 0 if OK
completed	NUMERIC(17) NOT NULL	task completion time
error	INTEGER DEFAULT '0'	error message

Table indexes

Index name	Index type	Fields
server_jobs_log_0001	simple table index clustering index	completed, id

Table references

Field name	Direction	Referenced table field
error	↔	cat_job_srv.id
name	↔	cat_job.id



station_history

Operation log for financial report on stations (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
oper	INTEGER DEFAULT '0'	operations, see st-history-values .ds/.h
rate	VARCHAR(36) DEFAULT ''	tariff ID
date1	NUMERIC(17) DEFAULT '0'	1st date for the period start (station creation, station expiration) or grace period duration
date2	NUMERIC(17) DEFAULT '0'	2nd date for the period end
created	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
station_history_0001	simple table index clustering index	created, id
station_history_0002	simple table index	id
station_history_0003	simple table index	id, oper

update_srv_files

Log of updates of Dr.Web Server repository files.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	update UUID, see update_srv_history
filename	INTEGER DEFAULT '0'	file name



Field name	Field type	Description
filehash	TEXT DEFAULT ''	file hash
filesize	NUMERIC(19) DEFAULT '0'	file size
fileaction	INTEGER DEFAULT '0'	action: 0—add, 1—replace, 2—delete
starttime	NUMERIC(17) DEFAULT '0'	update start time, see update_srv_history

Table indexes

Index name	Index type	Fields
update_srv_files_0001	simple table index	id
update_srv_files_0002	simple table index clustering index	starttime

Table references

Field name	Direction	Referenced table field
filename	↔	cat_upd_files.id
id	→	update_srv_history.id

update_srv_history

Log of Dr.Web Server repository updates.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	update UUID
sid	VARCHAR(36) NOT NULL	server ID
login	INTEGER DEFAULT '0'	administrator login name
address	TEXT DEFAULT ''	administrator network address



Field name	Field type	Description
src	INTEGER DEFAULT '0'	initiator, see update-source .ds/.h
product	INTEGER DEFAULT '0'	product ID
descr	INTEGER DEFAULT '0'	product description
starttime	NUMERIC(17) DEFAULT '0'	start date
endtime	NUMERIC(17) DEFAULT '0'	end date
rc	INTEGER DEFAULT '0'	completion code
crevision	NUMERIC(17) DEFAULT '0'	current revision (DB time)
nrevision	NUMERIC(17) DEFAULT '0'	new revision (DB time)

Table indexes

Index name	Index type	Fields
update_srv_history_0001	simple table index clustering index	starttime
update_srv_history_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
descr	↔	cat_upd_descr.id
login	↔	cat_upd_admin.id
product	↔	cat_upd_product.id



user_activity

Audit of actions of Subscriptions Control Center users (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
record	VARCHAR(36) NOT NULL	record UUID
login	VARCHAR(36) DEFAULT ''	user login name
address	TEXT DEFAULT ''	user network address
subsys	INTEGER DEFAULT '0'	operation initiator, see adm-subsys .ds/.h
objid	VARCHAR(36) DEFAULT ''	user object (group/station) ID
oper	INTEGER DEFAULT '0'	operation
status	INTEGER DEFAULT '0'	operation status, see adm-status .ds/.h
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
user_activity_0001	simple table index clustering index	createtime
user_activity_pkey	table primary key	record

user_activity_data

Attributes of actions audit of Subscriptions Control Center users (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
record	VARCHAR(36) NOT NULL	record UUID
item	TEXT DEFAULT ''	parameter number



Field name	Field type	Description
value	CLOB DEFAULT ''	parameter value
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
user_activity_data_0001	simple table index clustering index	record
user_activity_data_0002	simple table index	createtime

Table references

Field name	Direction	Referenced table field
record	→	user_activity.record



2.2.15. Station Events

quarantine_actions

Actions on objects moved to quarantine on stations.

Table fields

Field name	Field type	Description
opid	VARCHAR(36) NOT NULL	operation UUID
id	VARCHAR(36) DEFAULT ''	station ID
object	VARCHAR(128) DEFAULT ''	quarantined file name
qtime	NUMERIC(17) DEFAULT '0'	time of adding file
opname	VARCHAR(64) DEFAULT ''	operation name
opresult	VARCHAR(64) DEFAULT ''	operation result
created	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
quarantine_actions_0001	simple table index	opid

station_appctl_event

Statistics on Application Control events on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
sid	INTEGER NOT NULL	user SID
username	INTEGER NOT NULL	user name



Field name	Field type	Description
type	INTEGER NOT NULL	event type (app_control_event_type_t)
act	INTEGER NOT NULL	applied action (app_control_event_result_t)
policy_type	INTEGER NOT NULL	functional analysis criterion
policy_mask	NUMERIC(19) NOT NULL	functional analysis mask
profile_id	VARCHAR(36) DEFAULT ''	profile UUID
profile_name	INTEGER NOT NULL	profile name
rule_id	VARCHAR(36) DEFAULT ''	rule UUID
rule_name	INTEGER NOT NULL	rule name
test_mode	INTEGER NOT NULL	whether event occurred in test mode
process_path	INTEGER NOT NULL	process file path
process	INTEGER NOT NULL	process information
process_hashdb	INTEGER DEFAULT '0'	bulletin with process hash, see cat_hashdb
object_path	INTEGER NOT NULL	script file path
object	INTEGER NOT NULL	script file information
object_hashdb	INTEGER DEFAULT '0'	bulletin with script hash, see cat_hashdb
eventtime	NUMERIC(17) DEFAULT '0'	event occurrence time, GMT
recvtime	NUMERIC(17) DEFAULT '0'	time when the message on event was received, GMT
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
pid	INTEGER NOT NULL	process ID
ppid	INTEGER NOT NULL	parent process ID

Table indexes

Index name	Index type	Fields
station_appctl_event_0001	simple table index clustering index	recvtime



Index name	Index type	Fields
station_appctl_event_0002	simple table index	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id
object	↔	appctl_event_file.id
object_hashdb	↔	cat_hashdb.id
object_path	↔	cat_path.id
process	↔	appctl_event_file.id
process_hashdb	↔	cat_hashdb.id
process_path	↔	cat_path.id
profile_name	↔	cat_profile_name.id
rule_name	↔	cat_rule_name.id
sid	↔	cat_sid.id
username	↔	cat_users.id

station_blocked_device

Statistics on blocked devices on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID



Field name	Field type	Description
name	INTEGER DEFAULT '0'	station name
address	TEXT DEFAULT ''	station address
username	INTEGER DEFAULT '0'	run by user
instance	INTEGER DEFAULT '0'	device instance ID
friendly_name	INTEGER DEFAULT '0'	device friendly name
description	INTEGER DEFAULT '0'	device description
class	INTEGER DEFAULT '0'	device class—group GUID
blocktime	NUMERIC(17) NOT NULL	station local timestamp, GMT
blockrecvtime	NUMERIC(17) NOT NULL	receive time, GMT

Table indexes

Index name	Index type	Fields
station_blocked_0001	simple table index clustering index	blockrecvtime
station_blocked_0002	simple table index	id

Table references

Field name	Direction	Referenced table field
class	↔	cat_device_class.id
description	↔	cat_device_descr.id
friendly_name	↔	cat_dev_friendly_name.id
id	→	stations.id
instance	↔	cat_device_instance.id
name	↔	cat_name_stations.id



Field name	Direction	Referenced table field
username	↔	cat_users.id

station_deinstallation

Statistics on uninstallations of Dr.Web Agents on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
station	INTEGER DEFAULT '0'	station name
seenfrom	TEXT DEFAULT ''	network address of the last connection
message	CLOB DEFAULT ''	completion message
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
station_deinstallation_0001	simple table index clustering index	id, createtime

Table references

Field name	Direction	Referenced table field
id	→	stations.id
station	↔	cat_name_stations.id



station_geotracks

The lists of station geographic locations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
tid	VARCHAR(36) NOT NULL	track UUID
sid	VARCHAR(36)	server ID: set while processing
source	INTEGER NOT NULL	geo source class, see geo-source .h/.ds
item	INTEGER NOT NULL	track sequence number
attribute	VARCHAR(64) DEFAULT ''	attribute ID
value	VARCHAR(100) DEFAULT ''	attribute value as a string
modtime	NUMERIC(17) NOT NULL	last modification timestamp

Table indexes

Index name	Index type	Fields
station_geotracks_0003	simple table index	id
station_geotracks_0004	simple table index	sid

Table references

Field name	Direction	Referenced table field
id	→	stations.id



station_hips_event

Statistics on events detected on stations by the Preventive protection component.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
pid	NUMERIC(12) DEFAULT '4'	process ID
ppath	INTEGER DEFAULT '0'	process path, see cat_path
htype	INTEGER DEFAULT '0'	protected object
tpath	INTEGER DEFAULT '0'	protected object path, see cat_path
stype	INTEGER DEFAULT '0'	reason of execution of unauthorized code blocking
denied	INTEGER DEFAULT '0'	action on a suspicious process: 1—denied, 0—allowed
isuser	INTEGER DEFAULT '0'	initiator of the action on a suspicious process: 1—user, 0—automatic reaction
ecount	INTEGER DEFAULT '0'	number of denials in case of automatic reaction
euser	INTEGER DEFAULT '0'	initiator of a process, see cat_users
ouser	INTEGER DEFAULT '0'	initiator of an action to a process (if isuser = 1), see cat_users
eventtime	NUMERIC(17) DEFAULT '0'	event occurrence time, GMT
recvtime	NUMERIC(17) DEFAULT '0'	time when the message on event was received, GMT
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
sha1	INTEGER DEFAULT '0'	process file SHA-1 hash: cat_hash
sha256	INTEGER DEFAULT '0'	process file SHA-256 hash: cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash: cat_hashdb



Table indexes

Index name	Index type	Fields
station_hips_event_0001	simple table index	id
station_hips_event_0002	simple table index clustering index	recvtime
station_hips_event_0003	simple table index	sha1
station_hips_event_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
ouser	↔	cat_users.id
euser	↔	cat_users.id
hashdb	↔	cat_hashdb.id
id	→	stations.id
ppath	↔	cat_path.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
tpath	↔	cat_path.id



station_infection

Statistics on threats detected on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
processid	VARCHAR(36) NOT NULL	process ID
originator	INTEGER NOT NULL	component ID
infectionrecvtime	NUMERIC(17) NOT NULL	time when the message on event was received, GMT
infectiontime	NUMERIC(17) NOT NULL	event occurrence time, GMT
type1	NUMERIC(15) DEFAULT '0'	object type
type2	NUMERIC(15) DEFAULT '0'	infection type
virus	INTEGER DEFAULT '0'	threat name
object	INTEGER DEFAULT '0'	infected object name
treatment	NUMERIC(15) DEFAULT '0'	action upon a detected object
owner	INTEGER DEFAULT '0'	infected object owner
username	INTEGER DEFAULT '0'	user who launched the component
station	INTEGER DEFAULT '0'	station name
address	TEXT DEFAULT ''	station address
group_id	VARCHAR(36) DEFAULT ''	group ID
group_name	INTEGER DEFAULT '0'	group name
login_time	NUMERIC(17) DEFAULT '0'	time when station connected to Dr.Web Server
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
st_descr	INTEGER DEFAULT '0'	station description
st_mac	INTEGER DEFAULT '0'	station MAC
st_uid	INTEGER DEFAULT '0'	station SID



Field name	Field type	Description
st_ldapdn	INTEGER DEFAULT '0'	station LDAP DN
sha1	INTEGER DEFAULT '0'	object SHA-1 hash: cat_hash
sha256	INTEGER DEFAULT '0'	object SHA-256 hash: cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash: cat_hashdb

Table indexes

Index name	Index type	Fields
station_infection_0001	simple table index clustering index	infectionrecvtime
station_infection_0002	simple table index	id, processid, originator
station_infection_0003	simple table index	sha1
station_infection_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
group_name	↔	cat_name_groups.id
hashdb	↔	cat_hashdb.id
id	→	stations.id
object	↔	cat_path.id
owner	↔	cat_users.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
st_descr	↔	cat_descr.id



Field name	Direction	Referenced table field
st_ldapdn	↔	cat_ldapdn.id
st_mac	↔	cat_mac.id
st_uid	↔	cat_sid.id
station	↔	cat_name_stations.id
username	↔	cat_users.id
virus	↔	cat_virus.id

station_installation

Statistics on installations of Dr.Web Agents on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station temporary ID
station	INTEGER DEFAULT '0'	station name
seenfrom	TEXT DEFAULT ''	network address of the last connection
message	CLOB DEFAULT ''	failure message
event	INTEGER DEFAULT '0'	event type: Begin, Success, Failed, etc.
starttime	NUMERIC(17) NOT NULL	installation start time
endtime	NUMERIC(17) DEFAULT '0'	installation finish time
sessionid	VARCHAR(36) DEFAULT '' NOT NULL	session ID



Table indexes

Index name	Index type	Fields
station_installation_0001	simple table index clustering index	id
station_installation_0002	simple table index	sessionid

Table references

Field name	Direction	Referenced table field
id	→	stations.id
station	↔	cat_name_stations.id

station_jobslog

Log of task execution on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	record originator (station ID)
name	INTEGER DEFAULT '0'	job name, reference to `cat_job`
done	INTEGER DEFAULT '0'	completion status: 0 if failed, != 0 if OK
completed	NUMERIC(17) NOT NULL	completion time
error	INTEGER DEFAULT '0'	error message

Table indexes

Index name	Index type	Fields
station_jobslog_0001	simple table index clustering index	completed, id



Table references

Field name	Direction	Referenced table field
error	↔	cat_job_stn.id
id	→	stations.id
name	↔	cat_job.id

station_procerror

Statistics on scan errors on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
processid	VARCHAR(36) NOT NULL	process ID
originator	INTEGER NOT NULL	component ID
errrecvtime	NUMERIC(17) NOT NULL	receive time, GMT
errtime	NUMERIC(17) DEFAULT '0'	error occurrence time on station, GMT
object	INTEGER DEFAULT '0'	infected object name
errcode	NUMERIC(15) DEFAULT '0'	error code
owner	INTEGER DEFAULT '0'	infected object owner
username	INTEGER DEFAULT '0'	user who launched the component
sha1	INTEGER DEFAULT '0'	object SHA-1 hash: cat_hash
sha256	INTEGER DEFAULT '0'	object SHA-256 hash: cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash: cat_hashdb



Table indexes

Index name	Index type	Fields
station_procerror_0001	simple table index clustering index	errrecvtime
station_procerror_0002	simple table index	id, processid, originator
station_procerror_0003	simple table index	sha1
station_procerror_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
hashdb	↔	cat_hashdb.id
id	→	stations.id
object	↔	cat_path.id
owner	↔	cat_users.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
username	↔	cat_users.id

station_run

Statistics on start and stop of anti-virus component operation on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID



Field name	Field type	Description
processid	VARCHAR(36) NOT NULL	process ID
originator	INTEGER NOT NULL	component ID
engine	NUMERIC(15) DEFAULT '0'	engine version
viruses	NUMERIC(15) DEFAULT '0'	known threats
rc	NUMERIC(15) DEFAULT '0'	return code
infections	NUMERIC(15) DEFAULT '0'	number of detected threats
errors	NUMERIC(15) DEFAULT '0'	number of occurred errors
username	INTEGER DEFAULT '0'	user who launched the component
beginrecvtime	NUMERIC(17) NOT NULL	time when the message on component start was received, GMT
begintime	NUMERIC(17) DEFAULT '0'	component start time on station, GMT
endrecvtime	NUMERIC(17) NOT NULL	time when the message on component stop was received, GMT
endtime	NUMERIC(17) DEFAULT '0'	component stop time on station, GMT

Table indexes

Index name	Index type	Fields
station_run_0001	simple table index	beginrecvtime
station_run_0002	simple table index	endrecvtime
station_run_0003	simple table index clustering index	id, processid, originator

Table references

Field name	Direction	Referenced table field
id	→	stations.id
username	↔	cat_users.id



station_scanstat

Statistics of stations scans by anti-virus components.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
processid	VARCHAR(36) DEFAULT ''	process ID
originator	INTEGER DEFAULT '0'	component ID
recievetime	NUMERIC(17) NOT NULL	time when the message on statistics was received, GMT
stationtime	NUMERIC(17) DEFAULT '0'	time when statistics on station was received, GMT
scanned	NUMERIC(19) DEFAULT '0'	scanned objects
infected	NUMERIC(19) DEFAULT '0'	infected objects
modifications	NUMERIC(19) DEFAULT '0'	infected by modification
suspicious	NUMERIC(19) DEFAULT '0'	suspicious objects
cured	NUMERIC(19) DEFAULT '0'	cured objects
deleted	NUMERIC(19) DEFAULT '0'	deleted objects
renamed	NUMERIC(19) DEFAULT '0'	renamed objects
moved	NUMERIC(19) DEFAULT '0'	moved objects
locked	NUMERIC(19) DEFAULT '0'	locked objects
activities	NUMERIC(19) DEFAULT '0'	malicious activities
errors	NUMERIC(19) DEFAULT '0'	scan errors
prcsize	NUMERIC(19) DEFAULT '0'	processed bytes
prctime	NUMERIC(19) DEFAULT '0'	processing time, seconds
username	TEXT DEFAULT ''	user who launched the component



Table indexes

Index name	Index type	Fields
station_scanstat_0004	simple table index	recievetime
station_scanstat_0005	simple table index clustering index	id, recievetime

Table references

Field name	Direction	Referenced table field
id	→	stations.id



2.2.16. Station Events from Neighbor Dr.Web Server

srv_appctl_event

Statistics on Application Control events on stations of neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) DEFAULT ''	station ID
username	INTEGER NOT NULL	user name
type	INTEGER NOT NULL	event type (app_control_event_type_t)
act	INTEGER NOT NULL	applied action (app_control_event_result_t)
policy_type	INTEGER NOT NULL	functional analysis criterion
policy_mask	NUMERIC(19) NOT NULL	functional analysis mask
profile_id	VARCHAR(36) DEFAULT ''	profile UUID
profile_name	INTEGER NOT NULL	profile name
rule_id	VARCHAR(36) DEFAULT ''	rule UUID
rule_name	INTEGER NOT NULL	rule name
test_mode	INTEGER NOT NULL	whether event occurred in test mode
process_path	INTEGER NOT NULL	process file path
process	INTEGER NOT NULL	process information
process_hashdb	INTEGER DEFAULT '0'	bulletin with process hash, see cat_hashdb
object_path	INTEGER NOT NULL	script file path



Field name	Field type	Description
object	INTEGER NOT NULL	script file information
object_hashdb	INTEGER DEFAULT '0'	bulletin with script hash, see cat_hashdb
eventtime	NUMERIC(17) DEFAULT '0'	event occurrence time, GMT
recvtime	NUMERIC(17) DEFAULT '0'	time when the message on event was received, GMT
arrived	NUMERIC(17) DEFAULT '0'	record modification time
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
pid	INTEGER NOT NULL	process ID
ppid	INTEGER NOT NULL	parent process ID

Table indexes

Index name	Index type	Fields
srv_appctl_event_0001	simple table index clustering index	recvtime
srv_appctl_event_0002	simple table index	lid, osid

Table references

Field name	Direction	Referenced table field
lname	↔	cat_name_links.id
object	↔	appctl_event_file.id
object_hashdb	↔	cat_hashdb.id
object_path	↔	cat_path.id
osid	←	srv_recvhistory.mid
process	↔	appctl_event_file.id



Field name	Direction	Referenced table field
process_hashdb	↔	cat_hashdb.id
process_path	↔	cat_path.id
profile_name	↔	cat_profile_name.id
rule_name	↔	cat_rule_name.id
stationname	↔	cat_name_stations.id
username	↔	cat_users.id

srv_geolocation

Information on geographic location received from neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	Dr.Web Server ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
id	VARCHAR(36) DEFAULT ''	station ID, empty if it is Dr.Web Server
name	INTEGER DEFAULT '0'	station name
latitude	INTEGER DEFAULT '0'	latitude, in seconds, +north -south
longitude	INTEGER DEFAULT '0'	longitude, in seconds, +east -west
arrived	NUMERIC(17) NOT NULL	record modification time

Table indexes

Index name	Index type	Fields
srv_geolocation_0001	unique table index clustering index	id, lid, osid



Table references

Field name	Direction	Referenced table field
name	↔	cat_name_stations.id

srv_hips_event

Statistics on events detected on stations of neighbor Dr.Web Server by the Preventive protection component.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) DEFAULT ''	station ID
pid	NUMERIC(12) DEFAULT '4'	process ID
ppath	INTEGER DEFAULT '0'	process path, see cat_path
htype	INTEGER DEFAULT '0'	protected object
tpath	INTEGER DEFAULT '0'	protected object path, see cat_path
stype	INTEGER DEFAULT '0'	reason of execution of unauthorized code blocking
denied	INTEGER DEFAULT '0'	action on a suspicious process: 1—denied, 0—allowed
isuser	INTEGER DEFAULT '0'	initiator of the action on a suspicious process: 1—user, 0—automatic reaction
ecount	INTEGER DEFAULT '0'	number of denials in case of automatic reaction



Field name	Field type	Description
euser	INTEGER DEFAULT '0'	initiator of a process, see cat_users
ouser	INTEGER DEFAULT '0'	initiator of an action to a process (if isuser = 1), see cat_users
eventtime	NUMERIC(17) DEFAULT '0'	event occurrence time on station, GMT
recvtime	NUMERIC(17) DEFAULT '0'	time when the message on event was received, GMT
arrived	NUMERIC(17) NOT NULL	record creation
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
sha1	INTEGER DEFAULT '0'	process file SHA-1 hash, see cat_hash
sha256	INTEGER DEFAULT '0'	process file SHA-256 hash, see cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash, see cat_hashdb

Table indexes

Index name	Index type	Fields
srv_hips_event_0001	simple table index clustering index	recvtime
srv_hips_event_0002	simple table index	lid, osid
srv_hips_event_0003	simple table index	sha1
srv_hips_event_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
ouser	↔	cat_users.id
euser	↔	cat_users.id
hashdb	↔	cat_hashdb.id



Field name	Direction	Referenced table field
osid	←	srv_recvhistory.mid
ppath	↔	cat_path.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
tpath	↔	cat_path.id

srv_infection

Statistics on threats detected on stations of neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) DEFAULT ''	station ID
processid	VARCHAR(36) DEFAULT ''	process ID
originator	INTEGER DEFAULT '0'	component ID
infectionrecvtime	NUMERIC(17) NOT NULL	time when the message on event was received, GMT
infectiontime	NUMERIC(17) DEFAULT '0'	event occurrence time on station, GMT
type1	NUMERIC(15) DEFAULT '0'	object type
type2	NUMERIC(15) DEFAULT '0'	infection type
virus	INTEGER DEFAULT '0'	threat name



Field name	Field type	Description
object	INTEGER DEFAULT '0'	infected object name
treatment	NUMERIC(15) DEFAULT '0'	action upon a detected object
owner	INTEGER DEFAULT '0'	infected object owner
username	INTEGER DEFAULT '0'	user who launched the component
arrived	NUMERIC(17) NOT NULL	record creation
notified	INTEGER DEFAULT '0'	whether a message was sent (1—yes, 0—no)
sha1	INTEGER DEFAULT '0'	object SHA-1 hash, see cat_hash
sha256	INTEGER DEFAULT '0'	object SHA-256 hash, see cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash, see cat_hashdb

Table indexes

Index name	Index type	Fields
srv_infection_0001	simple table index clustering index	infectionrecvtime
srv_infection_0002	simple table index	lid, osid
srv_infection_0003	simple table index	sha1
srv_infection_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
hashdb	↔	cat_hashdb.id
lname	↔	cat_name_links.id
object	↔	cat_path.id
osid	←	srv_recvhistory.mid



Field name	Direction	Referenced table field
owner	↔	cat_users.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
stationname	↔	cat_name_stations.id
username	↔	cat_users.id
virus	↔	cat_virus.id

srv_installation

Statistics on installations of Dr.Web Agents on stations of neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
id	VARCHAR(36) DEFAULT ''	station temporary ID
station	INTEGER DEFAULT '0'	station name
seenfrom	TEXT DEFAULT ''	network address of the last connection
message	CLOB DEFAULT ''	failure message
event	INTEGER DEFAULT '0'	event type: Begin, Success, Failed, etc.
starttime	NUMERIC(17) NOT NULL	installation start time
endtime	NUMERIC(17) NOT NULL	installation finish time
arrived	NUMERIC(17) NOT NULL	record creation



Table indexes

Index name	Index type	Fields
srv_installation_0001	simple table index clustering index	starttime
srv_installation_0002	simple table index	lid, osid

Table references

Field name	Direction	Referenced table field
lname	↔	cat_name_links.id
osid	←	srv_recvhistory.mid
station	↔	cat_name_stations.id

srv_procerror

Statistics on scan errors on stations of neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) DEFAULT ''	station ID
processid	VARCHAR(36) DEFAULT ''	process ID
originator	INTEGER DEFAULT '0'	component ID



Field name	Field type	Description
errrecvtime	NUMERIC(17) NOT NULL	time when the message on error was received, GMT
errtime	NUMERIC(17) DEFAULT '0'	error occurrence time on station, GMT
object	INTEGER DEFAULT '0'	infected object name
errcode	NUMERIC(15) DEFAULT '0'	error code
owner	INTEGER DEFAULT '0'	infected object owner
username	INTEGER DEFAULT '0'	user who launched the component
arrived	NUMERIC(17) NOT NULL	record creation
sha1	INTEGER DEFAULT '0'	object SHA-1 hash: cat_hash
sha256	INTEGER DEFAULT '0'	object SHA-256 hash: cat_hash
hashdb	INTEGER DEFAULT '0'	bulletin with process hash: cat_hashdb

Table indexes

Index name	Index type	Fields
srv_proccerror_0001	simple table index clustering index	errrecvtime
srv_proccerror_0002	simple table index	lid, osid
srv_proccerror_0003	simple table index	sha1
srv_proccerror_0004	simple table index	sha256

Table references

Field name	Direction	Referenced table field
hashdb	↔	cat_hashdb.id
lname	↔	cat_name_links.id
object	↔	cat_path.id



Field name	Direction	Referenced table field
osid	←	srv_recvhistory.mid
owner	↔	cat_users.id
sha1	↔	cat_hash.id
sha256	↔	cat_hash.id
stationname	↔	cat_name_stations.id
username	↔	cat_users.id

srv_recvhistory

Event log received from the neighbor Dr.Web Servers.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
mid	VARCHAR(36) NOT NULL	message UUID
arrived	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
srv_recvhistory_pkey	table primary key	osid, mid



srv_run

Statistics on start and stop of anti-virus component operation on stations of neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) NOT NULL	station ID
processid	VARCHAR(36) NOT NULL	process ID
originator	INTEGER NOT NULL	component ID
engine	NUMERIC(15) DEFAULT '0'	engine version
viruses	NUMERIC(15) DEFAULT '0'	known threats
rc	NUMERIC(15) DEFAULT '0'	return code
infections	NUMERIC(15) DEFAULT '0'	number of detected threats
errors	NUMERIC(15) DEFAULT '0'	number of occurred errors
username	INTEGER DEFAULT '0'	user who launched the component
beginrecvtime	NUMERIC(17) NOT NULL	time when the message on component start was received, GMT
begintime	NUMERIC(17) DEFAULT '0'	component start time on station, GMT
endrecvtime	NUMERIC(17) NOT NULL	time when the message on component stop was received, GMT
endtime	NUMERIC(17) DEFAULT '0'	component stop time on station, GMT
arrived	NUMERIC(17) NOT NULL	record creation



Table indexes

Index name	Index type	Fields
srv_run_0001	simple table index clustering index	beginrecvtime, lid, osid
srv_run_0002	simple table index	id, processid, originator, osid

Table references

Field name	Direction	Referenced table field
lname	↔	cat_name_links.id
osid	←	srv_recvhistory.mid
stationname	↔	cat_name_stations.id
username	↔	cat_users.id

srv_scanstat

Statistics of neighbor Dr.Web Server stations scans by anti-virus components.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
stationname	INTEGER DEFAULT '0'	station name
id	VARCHAR(36) NOT NULL	station ID
processid	VARCHAR(36) DEFAULT ''	process ID



Field name	Field type	Description
originator	INTEGER DEFAULT '0'	component ID
recievetime	NUMERIC(17) NOT NULL	time when the message on statistic was received, GMT
stationtime	NUMERIC(17) DEFAULT '0'	time when statistics on station was received, GMT
scanned	NUMERIC(19) DEFAULT '0'	scanned objects
infected	NUMERIC(19) DEFAULT '0'	infected objects
modifications	NUMERIC(19) DEFAULT '0'	infected by modification
suspicious	NUMERIC(19) DEFAULT '0'	suspicious objects
cured	NUMERIC(19) DEFAULT '0'	cured objects
deleted	NUMERIC(19) DEFAULT '0'	deleted objects
renamed	NUMERIC(19) DEFAULT '0'	renamed objects
moved	NUMERIC(19) DEFAULT '0'	moved objects
locked	NUMERIC(19) DEFAULT '0'	locked objects
activities	NUMERIC(19) DEFAULT '0'	malicious activities
errors	NUMERIC(19) DEFAULT '0'	scan errors
prcsize	NUMERIC(19) DEFAULT '0'	processed bytes
prctime	NUMERIC(19) DEFAULT '0'	processing time, seconds
arrived	NUMERIC(17) NOT NULL	record creation
username	INTEGER DEFAULT '0'	user who launched the component

Table indexes

Index name	Index type	Fields
srv_scanstat_0001	simple table index clustering index	recievetime
srv_scanstat_0002	simple table index	lid, osid



Table references

Field name	Direction	Referenced table field
lname	↔	cat_name_links.id
osid	←	srv_recvhistory.mid
stationname	↔	cat_name_stations.id
username	↔	cat_users.id



2.2.17. Dr.Web Server Status

news_known_did

The list of known news categories.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	server ID
did	VARCHAR(36) NOT NULL	ID of news sections
createtime	NUMERIC(17) DEFAULT '0'	creation time

Table indexes

Index name	Index type	Fields
news_known_did_pkey	table primary key clustering index	did, sid

news_readstatus

Read status of the Doctor Web company news.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	server ID
aid	VARCHAR(36) NOT NULL	admin UUID
did	VARCHAR(36) NOT NULL	ID of news sections
nid	VARCHAR(36) NOT NULL	news article ID
ifile	VARCHAR(4000) NOT NULL	news article disk path
nstate	INTEGER NOT NULL	article state: 0—unread, 1—read



Table indexes

Index name	Index type	Fields
news_readstatus_0001	simple table index	aid, nstate
news_readstatus_0002	simple table index	did, sid
news_readstatus_pkey	table primary key clustering index	sid, aid, did, nid

Table references

Field name	Direction	Referenced table field
aid	→	admins.id
did	→	news_known_did.did

news_revision

Revision numbers in Dr.Web Server repository for the Doctor Web company news.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	server ID
revision	NUMERIC(17) NOT NULL	revision number (DB time)

Table indexes

Index name	Index type	Fields
news_revision_pkey	table primary key clustering index	sid, revision



news_summary

General information on the section of the Doctor Web company news.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	server ID
aid	VARCHAR(36) NOT NULL	admin UUID
unread	INTEGER DEFAULT '0'	number of unread articles
autosubscribe	INTEGER DEFAULT '1'	autosubscribe to new divisions
arrived	NUMERIC(17) DEFAULT '0'	unread news arrival time

Table indexes

Index name	Index type	Fields
news_summary_pkey	table primary key clustering index	aid, sid

Table references

Field name	Direction	Referenced table field
aid	→	admins.id

server_status

General information about Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	Dr.Web Server ID



Field name	Field type	Description
state	INTEGER DEFAULT '0'	Dr.Web Server state: 0 for offline
marker	NUMERIC(17) DEFAULT '0'	state timestamp
uptime	NUMERIC(19) DEFAULT '0'	time of uninterrupted operation, seconds
flavour	VARCHAR(512) DEFAULT ''	product: Enterprise/AV-Desk/etc
version	VARCHAR(512) DEFAULT ''	Dr.Web Server version
cpu	VARCHAR(512) DEFAULT ''	CPU type
os	VARCHAR(512) DEFAULT ''	operating system
platform	NUMERIC(12) DEFAULT '0'	host platform
os_full	VARCHAR(512) DEFAULT ''	full operating system (uname)
distrib	VARCHAR(512) DEFAULT ''	installed distributive
host	VARCHAR(512) DEFAULT ''	host name
clients_total	NUMERIC(17) DEFAULT '0'	connections from start
clients_maximum	NUMERIC(17) DEFAULT '0'	maximum connections
total_clients	NUMERIC(17) DEFAULT '0'	total clients now
total_agents	NUMERIC(17) DEFAULT '0'	total Dr.Web Agents now
total_newbies	NUMERIC(17) DEFAULT '0'	total newbies now
total_installs	NUMERIC(17) DEFAULT '0'	total installers now
total_links	NUMERIC(17) DEFAULT '0'	total neighbor Dr.Web Servers now
total_proxies	NUMERIC(17) DEFAULT '0'	total Proxies now
bytes_in	NUMERIC(17) DEFAULT '0'	bytes recieved
bytes_out	NUMERIC(17) DEFAULT '0'	bytes sent

Table indexes

Index name	Index type	Fields
server_status_0001	simple table index	id



update_srv_delayed

The list of delayed updates in Dr.Web Server repository.

Table fields

Field name	Field type	Description
product	VARCHAR(36) NOT NULL	product ID
revision	NUMERIC(17) NOT NULL	revision number (DB time)
duetime	NUMERIC(17) NOT NULL	delayed until

Table indexes

Index name	Index type	Fields
update_srv_delayed_pkey	table primary key	product



2.2.18. Station Status

client_disconnect

Abnormally terminated connections with clients.

Table fields

Field name	Field type	Description
uuid	VARCHAR(36)	client ID
type	INTEGER NOT NULL	client type, see client-type.hjds
addr	VARCHAR(255) NOT NULL	client address
name	INTEGER	client name
mac	INTEGER	client MAC
sid	INTEGER	client SID
descr	INTEGER	client description
ldapdn	INTEGER	client LDAP DN
disconnat	NUMERIC(17) NOT NULL	client disconnection timestamp
duration	INTEGER NOT NULL	client session duration, in seconds
reason	INTEGER NOT NULL	disconnect reason
notified	INTEGER DEFAULT '0'	whether a message was sent, see db-notified-state.(h)ds

Table indexes

Index name	Index type	Fields
client_disconnect_0001	simple table index clustering index	disconnat
client_disconnect_0002	simple table index	uuid, addr, type



Table references

Field name	Direction	Referenced table field
descr	↔	cat_descr.id
ldapdn	↔	cat_ldapdn.id
mac	↔	cat_mac.id
name	↔	cat_name_stations.id
reason	↔	cat_reason.id
sid	↔	cat_sid.id

once_job_done

Scheduler tasks for stations executed once.

Table fields

Field name	Field type	Description
jid	VARCHAR(36) NOT NULL	task UUID
sid	VARCHAR(36) NOT NULL	ID of the station to execute the task
source	INTEGER NOT NULL	source type, see hier-traverse-source.ds
oid	VARCHAR(36) NOT NULL	source ID (group/policy/station)
created	NUMERIC(17) DEFAULT '0'	record creation time

Table indexes

Index name	Index type	Fields
once_job_done_pkey	table primary key	jid, sid, source, oid



station_components

Information on anti-virus components installed on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
component	INTEGER DEFAULT '0'	component number
instdate	NUMERIC(17) DEFAULT '0'	installation date
server	INTEGER DEFAULT '0'	installation Dr.Web Server: @name_stations
path	INTEGER DEFAULT '0'	installation path: @path
modtime	NUMERIC(17) NOT NULL	record modification time

Table indexes

Index name	Index type	Fields
station_components_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
id	→	stations.id
path	↔	cat_path.id
server	↔	cat_name_stations.id



station_env_hash

Hash list of information states about hardware and software on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
category	INTEGER NOT NULL	environment category, see runtime::environment::category
hash	VARCHAR(128) NOT NULL	environment category hash
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
station_env_hash_pkey	table primary key clustering index	id, category

station_env_hw

Detailed information on hardware on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
type	INTEGER NOT NULL	device type, see st-db-env-hw
name	INTEGER NOT NULL	device name, reference to `env_strings`
vendor	INTEGER NOT NULL	device vendor, reference to `env_strings`
info1	NUMERIC(11) NOT NULL	device info, line #1
info2	NUMERIC(11) NOT NULL	device info, line #2



Field name	Field type	Description
instance	INTEGER DEFAULT '0' NOT NULL	device sequence number

Table indexes

Index name	Index type	Fields
station_env_hw_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
id	←	station_env_hash.id
name	←	env_strings.id
vendor	←	env_strings.id

station_env_kb

Detailed information on Windows OS updates installed on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER NOT NULL	Windows update name, reference to `env_strings`

Table indexes

Index name	Index type	Fields
station_env_kb_0001	simple table index	id



Index name	Index type	Fields
	clustering index	

Table references

Field name	Direction	Referenced table field
id	←	station_env_hash.id
name	←	env_strings.id

station_env_sw

Detailed information on software on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER NOT NULL	software name, reference to `env_strings`
version	INTEGER NOT NULL	software version, reference to `env_strings`
vendor	INTEGER NOT NULL	software vendor, reference to `env_strings`
disksize	INTEGER NOT NULL	software size on disk, MB

Table indexes

Index name	Index type	Fields
station_env_sw_0001	simple table index clustering index	id



Table references

Field name	Direction	Referenced table field
id	←	station_env_hash.id
name	←	env_strings.id
vendor	←	env_strings.id
version	←	env_strings.id

station_filesystem

Station filesystems information.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
mountpoint	INTEGER DEFAULT '0' NOT NULL	mount point
volume	INTEGER DEFAULT '0'	volume
totalsize	NUMERIC(20) DEFAULT '0'	volume size, KiB
free	NUMERIC(20) DEFAULT '0'	volume free space, KiB

Table indexes

Index name	Index type	Fields
station_filesystem_pkey	table primary key	id, mountpoint



Table references

Field name	Direction	Referenced table field
id	→	stations.id
mountpoint	↔	cat_filesystem.id
volume	↔	cat_filesystem.id

station_logins

Information on connections of stations to Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
machine_id	INTEGER DEFAULT '0' NOT NULL	machine UID
machine_mac	INTEGER DEFAULT '0' NOT NULL	machine MAC address
addr	VARCHAR(255) NOT NULL	network address
name	INTEGER DEFAULT '0'	station name
lastseenat	NUMERIC(17) DEFAULT '0'	time of the last connection
logged_in	INTEGER DEFAULT '0'	login status: 0 if failed, != 0 if OK

Table indexes

Index name	Index type	Fields
station_logins_pkey	table primary key clustering index	id, machine_id, machine_mac, addr



Table references

Field name	Direction	Referenced table field
id	→	stations.id
machine_id	↔	cat_sid.id
machine_mac	↔	cat_mac.id
name	↔	cat_name_stations.id

station_modules

Information on anti-virus component modules installed on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER NOT NULL	file name, reference to `cat_mod_name`
owner	INTEGER DEFAULT '0'	file owner, reference to `cat_users`
fsize	NUMERIC(17) DEFAULT '0'	file size
md5	INTEGER DEFAULT '0'	file MD5, reference to `cat_mod_md5`
ctime	NUMERIC(17) DEFAULT '0'	file creation time
mtime	NUMERIC(17) DEFAULT '0'	file modification time
version	INTEGER DEFAULT '0'	module version, reference to `cat_mod_ver`
descr	INTEGER DEFAULT '0'	module description, reference to `cat_mod_descr`
createtime	NUMERIC(17) DEFAULT '0'	record create time



Table indexes

Index name	Index type	Fields
station_modules_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
descr	↔	cat_mod_descr.id
id	→	stations.id
md5	↔	cat_mod_md5.id
name	↔	cat_mod_name.id
owner	↔	cat_users.id
version	↔	cat_mod_ver.id

station_netaddr

The list of network interfaces on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
ifname	TEXT DEFAULT ""	interface name
iffname	TEXT DEFAULT ""	interface friendly name
ifdesc	TEXT DEFAULT ""	interface description
addr	TEXT DEFAULT ""	interface address



Field name	Field type	Description
mask	TEXT DEFAULT ''	interface mask
mac	VARCHAR(128) NOT NULL	interface MAC address
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_netaddr_0001	simple table index clustering index	id
station_netaddr_0002	simple table index	mac

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_netinstid

Identifiers of network installers used for Dr.Web Agent installation on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
nid	VARCHAR(36) DEFAULT ''	network installer ID

Table indexes

Index name	Index type	Fields
station_netinstid_0001	simple table index	id



Index name	Index type	Fields
	clustering index	

Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_os_devgroups

Device classes on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER DEFAULT '0'	group name
description	INTEGER DEFAULT '0'	group description
guid	VARCHAR(38) NOT NULL	group GUID

Table indexes

Index name	Index type	Fields
station_os_devgroups_pkey	table primary key clustering index	id, guid

Table references

Field name	Direction	Referenced table field
description	↔	cat_dev_group_descr.id
id	→	stations.id



Field name	Direction	Referenced table field
name	↔	cat_dev_group_name.id

station_os_devices

The list of devices on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
instance	INTEGER DEFAULT '0' NOT NULL	device instance ID
friendly_name	INTEGER DEFAULT '0'	device friendly name
description	INTEGER DEFAULT '0'	device description
capabilities	INTEGER DEFAULT '0'	device capabilities
class	INTEGER DEFAULT '0'	device class—group GUID

Table indexes

Index name	Index type	Fields
station_os_devices_0001	simple table index	instance
station_os_devices_pkey	table primary key clustering index	id, instance

Table references

Field name	Direction	Referenced table field
class	↔	cat_device_class.id
description	↔	cat_device_descr.id



Field name	Direction	Referenced table field
friendly_name	↔	cat_dev_friendly_name.id
id	→	stations.id
instance	↔	cat_device_instance.id

station_os_groups

Groups of operating system users on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER DEFAULT '0' NOT NULL	group name
sid	INTEGER DEFAULT '0' NOT NULL	group SID
comm	INTEGER DEFAULT '0'	comment

Table indexes

Index name	Index type	Fields
station_os_groups_pkey	table primary key clustering index	id, sid

Table references

Field name	Direction	Referenced table field
comm	↔	cat_os_group_descr.id
id	→	stations.id



Field name	Direction	Referenced table field
name	↔	cat_os_group_name.id
sid	↔	cat_os_sid.id

station_os_users

Operating system users on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
login	INTEGER DEFAULT '0' NOT NULL	user login name
sid	INTEGER DEFAULT '0' NOT NULL	user SID
full_name	INTEGER DEFAULT '0'	full name

Table indexes

Index name	Index type	Fields
station_os_users_pkey	table primary key clustering index	id, sid

Table references

Field name	Direction	Referenced table field
full_name	↔	cat_os_user_name.id
id	→	stations.id
login	↔	cat_os_user_name.id



Field name	Direction	Referenced table field
sid	↔	cat_os_sid.id

station_products

Information on products installed on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
product	VARCHAR(64) NOT NULL	product name
crev	NUMERIC(17) DEFAULT '0'	current revision
nrev	NUMERIC(17) DEFAULT '0'	new revision
pstate	VARCHAR(1)	product state: S—stable, F—failed, D—delayed
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_products_0001	simple table index	id
station_products_pkey	table primary key clustering index	id, product

Table references

Field name	Direction	Referenced table field
id	→	stations.id



station_quarantine

The state of the quarantine on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
object	VARCHAR(128) DEFAULT ''	file name in quarantine
qtime	NUMERIC(17) DEFAULT '0'	time of moving file to quarantine
origname	INTEGER DEFAULT '0'	original file name
hash	VARCHAR(64) DEFAULT '0'	file hash (SHA-256)
len	NUMERIC(17) DEFAULT '0'	file length
mtime	NUMERIC(17) DEFAULT '0'	file modification time
owner	INTEGER DEFAULT '0'	file owner
virusinfo	INTEGER DEFAULT '0'	threat information, reference to `cat_virusinfo`
created	NUMERIC(17) NOT NULL	record creation time
sync	INTEGER DEFAULT '1'	synchronization information
component	NUMERIC(17) DEFAULT '0'	anti-virus component that moved the file

Table indexes

Index name	Index type	Fields
station_quarantine_0001	simple table index clustering index	id, created

Table references

Field name	Direction	Referenced table field
id	→	stations.id



Field name	Direction	Referenced table field
origname	↔	cat_path.id
owner	↔	cat_users.id
virusinfo	↔	cat_virusinfo.id

station_running

Information on anti-virus components running on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
pid	NUMERIC(12) DEFAULT '0'	process ID
type	INTEGER DEFAULT '0'	start type (user/agent/etc.)
component	INTEGER DEFAULT '0'	component number
username	INTEGER DEFAULT '0'	user who launched the component
params	INTEGER DEFAULT '0'	process parameters
starttime	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
station_running_0001	simple table index clustering index	id



Table references

Field name	Direction	Referenced table field
id	→	stations.id
params	↔	cat_run_param.id
username	↔	cat_users.id

station_status

Statistics on station status.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
severity	NUMERIC(11) NOT NULL	status severity
source	NUMERIC(11) NOT NULL	status source
reserved	NUMERIC(11) NOT NULL	reserved part of status
code	NUMERIC(15) NOT NULL	record code
args	TEXT DEFAULT ""	record arguments
createtime	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
station_status_0004	simple table index clustering index	id, code
station_status_0005	simple table index	id, severity, source, reserved, code



Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_sysinfo

Status of system information collection on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	VARCHAR(256) NOT NULL	report file name
sha256	VARCHAR(64) DEFAULT ''	report file SHA-256 hash
progress	INTEGER DEFAULT '0'	progress in percents
state	INTEGER DEFAULT '0'	collection state
error	TEXT DEFAULT ''	error message
begintime	NUMERIC(17) DEFAULT '0'	collection begin time
endtime	NUMERIC(17) DEFAULT '0'	collection end time
modtime	NUMERIC(17) DEFAULT '0'	record modification time

Table indexes

Index name	Index type	Fields
station_sysinfo_pkey	table primary key clustering index	id, name



Table references

Field name	Direction	Referenced table field
id	→	stations.id

station_user_logon

The list of OS user sessions on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
username	INTEGER DEFAULT '0'	user name
logontime	NUMERIC(17) DEFAULT '0'	user logon time
isession	INTEGER NOT NULL	user session ID
proto	INTEGER DEFAULT '0'	connection protocol (0—local, 2—rdp)
address	VARCHAR(512) DEFAULT ''	network address if user connected remotely
sid	VARCHAR(256) DEFAULT ''	user SID

Table indexes

Index name	Index type	Fields
station_user_logon_pkey	table primary key clustering index	id, isession

Table references

Field name	Direction	Referenced table field
id	→	stations.id



Field name	Direction	Referenced table field
username	↔	cat_users.id

station_vdb

Information on virus databases installed on stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
name	INTEGER NOT NULL	database file name
version	NUMERIC(15) DEFAULT '0'	version
idate	NUMERIC(12) DEFAULT '0'	issue date
viruses	NUMERIC(15) DEFAULT '0'	number of threat records
createtime	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
station_vdb_0001	simple table index clustering index	id, name

Table references

Field name	Direction	Referenced table field
id	→	stations.id
name	↔	cat_vdb.id



2.2.19. Station Status from Neighbor Dr.Web Server

srv_env_hash

Hash list of information states about hardware and software on neighbor stations.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	reference UUID
hash	VARCHAR(128) NOT NULL	environment category hash
createtime	NUMERIC(17) NOT NULL	record creation time

Table indexes

Index name	Index type	Fields
srv_env_hash_pkey	table primary key	id

Table references

Field name	Direction	Referenced table field
id	→	srv_env_meta.ref

srv_env_hw

Detailed information on hardware on stations of the neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	reference UUID
type	INTEGER NOT NULL	device type, see st-db-env-hw
name	INTEGER NOT NULL	device name, reference to `env_strings`



Field name	Field type	Description
vendor	INTEGER NOT NULL	device vendor, reference to `env_strings`
info1	NUMERIC(11) NOT NULL	device information, line #1
info2	NUMERIC(11) NOT NULL	device information, line #2
instance	INTEGER DEFAULT '0' NOT NULL	device sequence number

Table indexes

Index name	Index type	Fields
srv_env_hw_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
name	←	env_strings.id
vendor	←	env_strings.id

srv_env_kb

Detailed information on Windows OS updates installed on stations of the neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	reference UUID
name	INTEGER NOT NULL	Windows update name, reference to `env_strings`



Table indexes

Index name	Index type	Fields
srv_env_kb_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
name	←	env_strings.id

srv_env_meta

General information on hardware and software on stations of the neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	server ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
id	VARCHAR(36) NOT NULL	station ID
name	TEXT DEFAULT ""	station name
group_name	TEXT DEFAULT ""	station primary group name
category	INTEGER NOT NULL	environment category: Windows updates, hardware, software
arrived	NUMERIC(17) NOT NULL	record modification time
ref	VARCHAR(36) NOT NULL	UUID to support stations with the same ID on different Dr.Web Servers



Table indexes

Index name	Index type	Fields
srv_env_meta_0001	simple table index	ref
srv_env_meta_pkey	table primary key clustering index	id, category, osid

srv_env_sw

Detailed information on software on stations of the neighbor Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	reference UUID
name	INTEGER NOT NULL	software name, reference to `env_strings`
version	INTEGER NOT NULL	software version, reference to `env_strings`
vendor	INTEGER NOT NULL	software vendor, reference to `env_strings`
disksize	INTEGER NOT NULL	size in MB

Table indexes

Index name	Index type	Fields
srv_env_sw_0001	simple table index clustering index	id

Table references

Field name	Direction	Referenced table field
name	←	env_strings.id
vendor	←	env_strings.id



Field name	Direction	Referenced table field
version	←	env_strings.id

srv_status

Statistics on a state of neighbor Dr.Web Server stations.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	originator ID
lid	VARCHAR(36) NOT NULL	interserver connection ID
lname	INTEGER DEFAULT '0'	neighbor Dr.Web Server name
mid	VARCHAR(36) DEFAULT ''	message UUID
severity	NUMERIC(11) DEFAULT '0'	status severity
source	NUMERIC(11) DEFAULT '0'	status source
reserved	NUMERIC(11) DEFAULT '0'	reserved part of status
code	NUMERIC(15) DEFAULT '0'	record code
records	INTEGER DEFAULT '0'	station number
arrived	NUMERIC(17) NOT NULL	record creation

Table indexes

Index name	Index type	Fields
srv_status_0001	simple table index clustering index	arrived
srv_status_0002	simple table index	lid, osid
srv_status_0003	simple table index	osid



Table references

Field name	Direction	Referenced table field
lname	↔	cat_name_links.id
osid	←	srv_recvhistory.mid



2.2.20. Other Tables

cluster_message

Long commands transmitted between nodes of Dr.Web Servers cluster.

Table fields

Field name	Field type	Description
sid	VARCHAR(36) NOT NULL	destination station ID
mid	NUMERIC(19) NOT NULL	message ID
command	CLOB NOT NULL	message body

Table indexes

Index name	Index type	Fields
cluster_message_pkey	table primary key	mid

env_fwd_hash

List of hashes of environment categories which were generated by Dr.Web Server to be forwarded to the neighbor.

Table fields

Field name	Field type	Description
osid	VARCHAR(36) NOT NULL	server ID
id	VARCHAR(36) NOT NULL	station ID
category	INTEGER NOT NULL	environment category, see runtime::environment::category
hash	VARCHAR(128) NOT NULL	environment category hash
createtime	NUMERIC(17) DEFAULT "	record creation time



Table indexes

Index name	Index type	Fields
env_fwd_hash_pkey	table primary key clustering index	osid, id, category

oauth_clients

Credentials of external applications for the OAuth authorization.

Table fields

Field name	Field type	Description
id	VARCHAR(255) NOT NULL	identifier
secret	VARCHAR(255) NOT NULL	shared secret
title	VARCHAR(255) NOT NULL	short name
description	TEXT DEFAULT ''	description
icon_url	TEXT DEFAULT ''	icon URL
homepage	TEXT DEFAULT ''	home page (promo page)
created	NUMERIC(17) NOT NULL	creation time
token_ttl	INTEGER DEFAULT '3600' NOT NULL	TTL (sec) for new tokens
code_ttl	INTEGER DEFAULT '600' NOT NULL	TTL (sec) for new authorization codes
user_id	VARCHAR(255) DEFAULT ''	owner identifier, for built-in applications must be empty
client_type	INTEGER DEFAULT '0' NOT NULL	client type: 0—built-in, 1—custom
client_status	INTEGER DEFAULT '0' NOT NULL	client current status: 0—disabled, 1—enabled



Table indexes

Index name	Index type	Fields
oauth_clients_0001	unique table index	secret
oauth_clients_pkey	table primary key	id

oauth_codes

Authorization codes of external applications for the OAuth authorization.

Table fields

Field name	Field type	Description
client_id	VARCHAR(255) NOT NULL	identifier of an application for which the code is issued
user_id	VARCHAR(255) NOT NULL	identifier of a user who requested a code
code	VARCHAR(40) NOT NULL	authorization code
created	NUMERIC(17) NOT NULL	creation time
expires	NUMERIC(17) NOT NULL	expiration time (oauth_codes.created + oauth_clients.code_ttl)
redirect_uri	TEXT NOT NULL	redirect URI from user request. Used to verify a request when exchanging a code to a token
state	TEXT DEFAULT ""	custom field from user request. Used to verify a request when exchanging a code to a token

Table indexes

Index name	Index type	Fields
oauth_codes_pkey	table primary key	code



Table references

Field name	Direction	Referenced table field
client_id	→	oauth_clients.id

oauth_tokens

Access tokens to external applications for the OAuth authorization.

Table fields

Field name	Field type	Description
token_access	VARCHAR(40) NOT NULL	access token
token_refresh	VARCHAR(40) NOT NULL	refresh token
created	NUMERIC(17) NOT NULL	creation time
expires	NUMERIC(17) NOT NULL	expiration time (oauth_tokens.created + oauth_clients.token_ttl)
user_id	VARCHAR(255) NOT NULL	identifier of a user for which the token is issued
client_id	VARCHAR(255) NOT NULL	identifier of an application for which the code is issued

Table indexes

Index name	Index type	Fields
oauth_tokens_0001	simple table index	token_refresh
oauth_tokens_pkey	table primary key	token_access

Table references

Field name	Direction	Referenced table field
client_id	→	oauth_clients.id



report_auto

Financial reports sent automatically by a task from Dr.Web Server schedule (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
period	NUMERIC(6) NOT NULL	year and month (YYYYMM)
xmlvalue	CLOB DEFAULT ''	XML value
gendate	NUMERIC(17) DEFAULT '0'	generation date
sent	NUMERIC(17) DEFAULT '0'	sent date (0 if was not sent)
errmessage	CLOB DEFAULT ''	error message (if was not sent)
gentime	INTEGER DEFAULT '0'	generation time in seconds

Table indexes

Index name	Index type	Fields
report_auto_pkey	table primary key	period

report_data

Data on financial reports about tariffs usage (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
rate	VARCHAR(36) NOT NULL	tariff group ID
id	VARCHAR(36) NOT NULL	ID of a station where the tariff was used
aid	VARCHAR(36) NOT NULL	UUID of an administrator who ordered to create the report
days	INTEGER DEFAULT '0'	number of days when the tariff was used



Field name	Field type	Description
user_id	VARCHAR(36) DEFAULT ''	ID of a user using this tariff
gid	VARCHAR(36) DEFAULT ''	user group ID
created	NUMERIC(17) DEFAULT '0'	record creation time
report_id	VARCHAR(36) NOT NULL	report UUID

Table indexes

Index name	Index type	Fields
report_data_pkey	table primary key clustering index	aid, rate, id, report_id

Table references

Field name	Direction	Referenced table field
aid	→	admins.id

report_done_ids

Identifiers of sent financial reports (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	ID of a station where the tariff was used
aid	VARCHAR(36) NOT NULL	UUID of an administrator who created the report
report_id	VARCHAR(36) NOT NULL	report UUID



Table indexes

Index name	Index type	Fields
report_done_ids_pkey	table primary key clustering index	report_id, aid, id

Table references

Field name	Direction	Referenced table field
aid	→	admins.id
report_id	→	report_data.report_id

report_manual

Financial reports sent manually by administrator and reports manually moved to the archive (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
periodbeg	NUMERIC(17) NOT NULL	report start date
periodend	NUMERIC(17) DEFAULT '0'	report end date
id	VARCHAR(36) NOT NULL	UUID of an administrator who created the report or report archive ID for reports moved to the archive
xmlvalue	CLOB DEFAULT ''	XML value
gendate	NUMERIC(17) NOT NULL	generation date
gentime	INTEGER DEFAULT '0'	generation time in seconds



Table indexes

Index name	Index type	Fields
report_manual_0001	simple table index clustering index	id, gendate

Table references

Field name	Direction	Referenced table field
id	→	admins.id

reporting_ids

Identifiers of financial reports about tariff usage (Dr.Web AV-Desk only).

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	ID of a station where the tariff was used
aid	VARCHAR(36) NOT NULL	UUID of an administrator who created the report
company_id	VARCHAR(36) DEFAULT ""	user company ID
user_id	VARCHAR(36) DEFAULT ""	ID of a user using this tariff
report_id	VARCHAR(36) NOT NULL	report UUID

Table indexes

Index name	Index type	Fields
reporting_ids_0001	simple table index clustering index	report_id, aid
reporting_ids_pkey	table primary key	id, aid, report_id



Table references

Field name	Direction	Referenced table field
aid	→	admins.id
report_id	→	report_data.report_id

station_offline_cmd

Saved commands that must be sent to stations after their connection to Dr.Web Server.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	station ID
rid	VARCHAR(36) NOT NULL	command UUID
cmd	VARCHAR(256)	command (see Appendix B)
data	CLOB DEFAULT ''	command data
created	NUMERIC(17) NOT NULL	record creation
min_proto	NUMERIC(5) DEFAULT '0'	minimal protocol version, e.g. 0x0301 is 3.1

Table indexes

Index name	Index type	Fields
station_offline_cmd_0001	simple table index	created
station_offline_cmd_0002	simple table index clustering index	id
station_offline_cmd_0003	simple table index	rid



Table references

Field name	Direction	Referenced table field
id	→	stations.id

temporary_tables

The list of temporary tables.

Table fields

Field name	Field type	Description
table_name	VARCHAR(128) NOT NULL	temporary table name
createtime	NUMERIC(17) DEFAULT '0'	creation time
date1	NUMERIC(17) DEFAULT '0'	start date for statistics data in the table
date2	NUMERIC(17) DEFAULT '0'	end date for statistics data in the table

Table indexes

Index name	Index type	Fields
temporary_tables_pkey	table primary key	table_name

webmin

Internal data of the Web interface of Dr.Web Security Control Center.

Table fields

Field name	Field type	Description
id	VARCHAR(36) NOT NULL	record owner (admin.id)
rkey	VARCHAR(128) NOT NULL	record key
data	CLOB DEFAULT ''	record data



Field name	Field type	Description
created	NUMERIC(17) DEFAULT '0'	record creation time
seq	INTEGER NOT NULL	record sequence number for big data sets

Table indexes

Index name	Index type	Fields
webmin_pkey	table primary key clustering index	id, rkey, seq

Table references

Field name	Direction	Referenced table field
id	→	admins.id



Appendix A. Technical Support

If you have a problem installing or using Doctor Web products, please try the following before contacting technical support:

1. Download and review the latest manuals and guides at <https://download.drweb.com/doc/>.
2. See the Frequently Asked Questions section at https://support.drweb.com/show_faq/.
3. Browse the official Doctor Web forum at <https://forum.drweb.com/>.

If you haven't found a solution to your problem, you can request direct assistance from Doctor Web technical support specialists. Please use one of the options below:

1. Fill out a web form in the appropriate section at <https://support.drweb.com/>.
2. Call +7 (495) 789-45-86 (for customers in Moscow) or 8-800-333-79-32 (a toll-free line for customers within Russia).

For information on regional and international offices of Doctor Web, please visit the official website at <https://company.drweb.com/contacts/offices/>.



Appendix B. Commands to Be Sent to Stations

This section provides a description of commands whose sending to stations may be delayed if the stations are offline at the moment of sending (see table **station_offline_cmd** in the [Other Tables](#) section). The commands are sent to the stations automatically once those connect to Dr.Web Server.

Command	Description
ADMINMESSAGE	Message sent to the station by an administrator using the Send message to stations tool
APPCONTROL (FORGET)	Request to cancel collection of a trusted application database by the Application Control component on the station
EXECUTEJOB	Request to run a task from the schedule of the Task Scheduler for stations
FORCEUPDATE	Request to forcibly update the anti-virus components installed on the station
MESSAGE	Notification of an anti-virus network event sent to an administrator at the station using the Dr.Web Agent method
QCLEAN	Request to delete an object from the station quarantine
QRESCAN	Request to rescan an object in the station quarantine
QRESTORE	Request to restore an object from the station quarantine
QSENDFILE	Request to export an object from the station quarantine to Dr.Web Server
SYSINFO	Request to start or stop collecting a technical support report (system information) on the station
UNINSTALL	Request to uninstall Dr.Web Agent software on the station

