

WebYaST

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WebYaST User Guide



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Introduction

WebYaST is a Web-based remote console for controlling appliances based on SUSE® Linux Enterprise. WebYaST provides a standardized and user-friendly interface to configure the appliance “black box” environment. Whereas automation - wherever applicable - is the default procedure in the appliance environment, WebYaST is needed to perform some maintenance tasks that cannot be automated.

The set of available WebYaST modules is a subset of the YaST functionality available on SUSE® Linux Enterprise Server or SUSE® Linux Enterprise Desktop. Some WebYaST modules do not use the same code as the respective YaST modules and their functionality may differ. Besides, WebYaST can provide modules which are not available in YaST on SUSE Linux Enterprise Server or SUSE Linux Enterprise Desktop, for example the WebYaST Status module.

This guide is intended for users who want to access, configure, and monitor their appliances with WebYaST. For information about preparing an appliance equipped with WebYaST and configuring WebYaST capabilities, see the *WebYaST Vendor Guide*.

1.1 Supported Browsers

WebYaST supports the following Web browser clients:

- Mozilla Firefox, version 3.5.x
- Microsoft Internet Explorer, latest major release (8.x)

NOTE: Unsupported Browsers

Unsupported browsers are not blocked. If an unsupported browser is used, the user is warned by a message in his browser. It is recommended to update the browser in that case. The message is shown on all WebYaST pages, unless the user acknowledges and disables the message.

1.2 Additional Documentation and Resources

Many chapters in this manual contain links to additional documentation resources. These include documentation that is available on the system as well as documentation available on the Internet.

For an overview of the documentation available for your product and the latest documentation updates, refer to <http://www.novell.com/documentation>.

1.3 Reporting Bugs and Feedback

Please ask your appliance vendor how to report bugs and give feedback.

1.4 Documentation Conventions

The following typographical conventions are used in this manual:

- `/etc/passwd`: directory names and filenames
- *placeholder*: replace *placeholder* with the actual value
- `PATH`: the environment variable `PATH`
- `ls, --help`: commands, options, and parameters
- `user`: users or groups

- **Alt, Alt + F1**: a key to press or a key combination; keys are shown in uppercase as on a keyboard
- *File*, *File > Save As*: menu items, buttons
- *Dancing Penguins* (Chapter *Penguins*, ↑Another Manual): This is a reference to a chapter in another manual.

Initial System Setup

The first time you log into an appliance via WebYaST, you need to configure basic settings in a sequence of configuration dialogs to complete the initial system setup. You can always return to the previous screen by clicking the *Back* button.

NOTE: Custom Setup Sequence

The initial setup sequence can be customized by the vendor. The following workflow is just an example, it can differ from the system setup sequence in your appliance.

Procedure 2.1 Logging In and Completing the Initial Setup

- 1** Open a browser that is supported by WebYaST and enter the appliance's URL including the port number.
- 2** In the *Username* and *Password* fields, enter your login credentials for the host and click *Login*.
- 3** If the initial system setup was not completed yet, the *Set up the system* button is displayed. Click it to perform the initial setup.
- 4** Choose the *WebYaST Language* and click *Next*.
- 5** Read the end user license agreement (EULA). You can choose from the available translations using the drop-down list above.

If you agree to the terms, choose *Yes, I agree to the license agreement*. You may be asked to read and accept more than one EULA.

6 Click *Next* to access the *Administrator Settings*.

To set the system administrator's password, enter a password into *Password* and repeat it in *Confirm Password*. Click *Save*.

To configure an e-mail address to forward the administrator's mail to, enter it into *Forward mail to* and click *Save*.

7 Click *Next* to access the system's *Network* settings.

For automatic configuration using DHCP, select the *Automatic* option from the *Configuration mode* drop-down menu. For information about manual configuration, see Section 4.7, “Configuring Network Settings” (page 14).

WARNING: Changing IP Address or Hostname

The change in network configuration is done immediately after clicking the *Next* button. If the hostname or IP address is changed, it may be necessary to change the URL in the browser before you can continue.

8 Click *Next* to access the system's *Time* preferences.

Choose the general *Region* and the specific *Timezone*. The lower part of the screen displays the time and date currently set on the system.

To set time and date manually, select *Manually configure time* and edit the *Time* and *Date* entries.

To synchronize system time with a network time server, select *Synchronize via Network Time Protocol (NTP)*.

9 Click *Next* to access the system's *Mail Settings*.

In *Outgoing mail server*, enter the URL of the SMTP server to be used.

In *Transport Layer Security*, choose whether encryption (TLS) should be used.

Enter your credentials for the SMTP server: *User name* and *Password*. Confirm the password by entering it twice.

- 10** Click *Next* to access the system's *Registration*.

You are asked for the information the registration server needs. Enter your *Email* address, *System Name* (a human-readable string describing the system), and your *SLES Registration Code*.

To display all information that is sent to the registration server, click *Details*.

- 11** Click *Next* to finish the initial setup.

WebYaST Control Panel

After performing the initial setup as described in Chapter 2, *Initial System Setup* (page 5), the WebYaST control panel is shown when you log into an appliance with WebYaST. The control panel contains the following parts:

3.1 The Header

The header in the top part of the WebYaST control panel screen shows the name of your appliance, its hostname, and your username. In the upper right corner find the *Logout* link for secure logout.

3.2 The System Status Area

There are two color indicators of system status in the *Status* section of the control panel:

System Update

The upper indicator shows the status of system updates. If it is green, the system is up to date and no action is necessary. If updates are available for installation, the indicator turns red and the *Update All* button is shown.

To install all available updates, use the *Update All* button. Alternatively, click the link showing information about the updates to start the WebYaST *Updates* module. With this module, you can see the list of available updates and choose which updates to install. For more information about the *Updates* module, see Section 4.2, “Managing System Updates” (page 12).

System Health

The bottom indicator shows the health of the system. If it is green, the system is healthy. The health information is determined by data from the *Status* module and the user-defined limits set there. For more information about the *Status* module, see Section 4.3, “Monitoring System Status” (page 12).

3.3 Rebooting and Shutting Down

You can find buttons for rebooting and shutting down the appliance in the *System Actions* area of the main screen.

To reboot or shut down the appliance, click *Reboot* or *Shutdown* and confirm the action with *OK*. You will be logged out from the system.

3.4 The Configuration Area

In the bottom part of the control panel, icons of all available WebYaST modules are shown. Click these icons to start individual modules. For more information about individual modules, see Chapter 4, *WebYaST Configuration Modules* (page 11).

WebYaST Configuration Modules

This chapter describes all WebYaST configuration modules and their usage. The modules can be accessed from the configuration area of the WebYaST interface, see Section 3.4, “The Configuration Area” (page 10).

4.1 Configuring Time Settings

The *Time* WebYaST module allows you to configure time and date on the target system. To configure time and date, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Time* module.
- 2 Choose the general *Region* and the specific *Timezone* from the drop-down lists.
- 3 To set the current time manually, select *Manually configure time* and edit the *Date* and *Time* entries.

To synchronize system time with a network time server, select *Synchronize via Network Time Protocol (NTP)*.

- 4 Click *Save*.

4.2 Managing System Updates

The *Updates* WebYaST module displays a list of available system updates. Use the list to select the updates you want to install.

To update the system, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Updates* module.
- 2 The list of available updates is shown. With the drop-down menu above the list, you can filter for updates by their type: *All*, *Security*, *Important*, *Green*, or *Optional*.
- 3 Use the checkboxes to select the updates that you want to install.
- 4 Click *Update*.

You can also install all available updates by clicking *Update All* in the control center. This button is only available if there are any updates to install.

Alternatively, you can update your appliance from the command line with `ssh` and the `zypper dup` command.

4.3 Monitoring System Status

The *Status* WebYaST module displays status information collected by the `collectd` daemon, for example: CPU, memory and disk usage, network interface status, and system load. The specific data shown may be different in your appliance.

For each type of data, it is possible to set limits - the minimum and the maximum value allowed. If the actual value exceeds this limits, the system is considered unhealthy and the health indicator in the control panel turns red, see Section 3.2, “The System Status Area” (page 9).

To set the limit values, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Status* module.

- 2 Click *Edit limits* at the bottom of the screen.
- 3 For each type of data, you can set the *Minimum Value* and the *Maximum Value* in the units used by `collected`.
- 4 Click *Save* and *Back*.

4.4 Managing System Services

The *System Services* WebYaST module allows you to manage system services available on the target system. To manage the system services, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *System Services* module.
- 2 A list of available system services is shown. For each service, its name, description, and current status are shown. For each service, there are buttons available to *start* and *stop* the service. To update the service's status information, use the *status* button.
- 3 If you are finished, click *Back*.

4.5 System Registration

The *Registration* WebYaST module allows you to register your system. To register the system:

- 1 Log into the WebYaST interface of the target system and start the *Registration* module.
- 2 You are asked for the information the registration server needs. Enter your *Email* address, *System Name* (a human-readable string describing the system), and your *SLES Registration Code*.
- 3 To display all information that is sent to the registration server, click *Details*.
- 4 Click *Save*.

4.6 Displaying User Permissions

The *User Permissions* WebYaST module provides information about permissions granted to the individual users on the target system. It is not possible to edit or configure user permissions using this module—it only shows the current permissions. To get information about the permissions of a specific user, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *User Permissions* module.
- 2 Enter the *User* name and click *Search*.
- 3 The *Revoked Permissions* and *Granted Permissions* of the user are shown. You can open individual branches of the permission tree structure by clicking the blue triangles.
- 4 Click *Back*.

4.7 Configuring Network Settings

The *Network* WebYaST module allows you to configure the network on the target system. To configure the network, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Network* module.
- 2 On the *IP Address* tab, select the network *Configuration mode* from the drop-down menu. You can choose between *Automatic* or *Manual* configuration or to leave the network *Not configured*.

To configure the network automatically via DHCP, select *Automatic* on the *IP Address* tab. In the automatic configuration mode, you can change the default *Hostname* and the *Domain* on the *DNS* tab.

To configure the network manually, select *Manual* on the *IP Address* tab. Enter the *IP address* and *Prefixlen*. The prefix should be specified in the CIDR */nn* format, where *nn* is a number between 0 and 32.

On the *DNS* tab, enter the *Hostname*, *Domain*, and specify *Name servers* and *Search domains* to use. On the *Routing* tab, specify the *Default route*.

- 3 Click *Save*.

WARNING: Changing IP Address or Hostname

The change in network configuration is done immediately after clicking the *Next* button. If the hostname or IP address is changed, it may be necessary to change the URL in the browser before you can continue.

4.8 Configuring Mail Settings

The *Mail Settings* WebYaST module allows you to configure a server for outgoing mail (SMTP). To configure the SMTP server, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Mail Settings* module.
- 2 In *Outgoing mail server*, enter the URL of the SMTP server to be used.
- 3 In *Transport Layer Security*, choose whether encryption (TLS) should be used. The available options are: *Disabled*, *If available*, and *Always*.
- 4 Enter your credentials for the SMTP server: *User name* and *Password*. Confirm the password by entering it twice.
- 5 Click *Save*

4.9 Configuring Language Settings

The *Language* WebYaST module allows you to choose the language used in the YaST2 Webclient interface. To choose the language, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Language* module.

- 2 Select the desired interface language from the *WebYaST Language* list.
- 3 Click *Save*.

4.10 Managing Custom Services

The *Custom Services* WebYaST module allows you to manage custom services available on the target system. To manage custom services, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Custom Services* module.
- 2 A list of available custom services is shown. For each service, its name, description, and current status are shown. For each service, there are buttons available to *start* and *stop* the service. To update the service's status information, use the *status* button.
- 3 If you finished managing the custom services, click *Back*.

4.11 Configuring Administrator Settings

The *Administrator Settings* WebYaST module allows you to set password for the system administrator (root) and the e-mail address. To configure administrator settings, follow these steps:

- 1 Log into the WebYaST interface of the target system and start the *Administrator Settings* module.
- 2 To change the administrator password enter it in *Password* and repeat it in *Confirm Password*. Click *Save*.
- 3 To configure an e-mail address to forward administrator's mail to, enter it into *Forward mail to* and click *Save*.
- 4 Click *Save*.

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type `show w'. This is free software, and you are welcome
to redistribute it under certain conditions; type `show c'
for details.
```

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```
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interest in the program `Gnomovision'
(which makes passes at compilers) written
by James Hacker.
```

```
signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
```

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