



Release Notes scVENUS 2.2.1

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Technical Release Notes

Please find our detailed technical release notes on the scVENUS DVD. Registered customers can also download the electronic version of the technical release notes from our web portal:

<http://portal.science-computing.de>

If you are interested and you are not a registered customer, you can also contact our sales department:

venus@science-computing.de

What's New?

Documentation

The current reference documentation of the scVENUS commands, scomonAgents, methods and contexts is delivered in HTML. For scVENUS 2.2.1, the Inventory and the Reference Manual have not been updated. The complete documentation is installed to /home/<manager>/Documentation (for new scVENUS installations only).

The documentation of this minor release is only in English, the documentation for the next major release will be in English as well as in German.

Monitoring

scVENUS Monitoring provides event as well as report monitoring and resource accounting:

- Event monitoring checks transient system status parameters.
- Report monitoring records persistent system status parameters for a given period.
- Accounting monitors the usage of system or service resources such as licenses or diskusage.

For more details, please refer to the Monitoring Manual.

Wake on LAN

Wake on LAN is a standard technology to wake up sleeping clients. The scVENUS command `scwakeup` wakes up clients as previously configured with the command `scwakeupdata`. The scVENUS command `scwakeupproxy` assigns a proxy server to a broadcast IP address.

For more details, please refer to the Administration Manual and the HTML reference documentation on the scVENUS DVD.

NetApp Support

For moving data between file servers, scVENUS 2.2.1 can now also use the NDMP protocol. A configuration variable for the NDMP protocol is available.

For more details, please refer to the Administration Manual and the HTML reference documentation on the scVENUS DVD.

Installation and Upgrade

The installation script `venus-master-install` has received a variety of new options. Semi-automated upgrade through scripting is possible for the upgrade from version 2.1.0 to version 2.2.1 and for the upgrade from version 2.2.0 to version 2.2.1.

For more details, please refer to the Installation and Upgrade Manual.

LDAP

The LDAP client functionality is now also available for HP-UX and AIX (see Supported Operating Systems). The command `scldapsetup` has been enhanced. scVENUS 2.2.1 also introduces changes and additions to the methods `sc.venus.ldap.server.openldap` and `sc.venus.ldap.client`.

For more details, please refer to the HTML reference documentation on the scVENUS DVD. For restrictions on the client functionality for IRIX, AIX, and HP-UX, please refer to the Administration Manual.

Queueing

The queueing options for the scVENUS commands `scrinstall`, `scaddpkg`, `scdelpkg` and `scpdistfile` have been redesigned. New configuration variables for queueing are available.

For more details, please refer to the Administration Manual and the HTML reference documentation on the scVENUS DVD.

Multicast

scVENUS 2.2.1 integrates a new version of the multicast library that requires less RAM than previous versions. scVENUS multicast now also uses congestion control. By default, the multicast packages are now extracted only after they have been transmitted completely. New configuration variables for multicast are available.

For more details, please refer to the Administration Manual.

Inventory

The new methods `scinv.disks` (submethod of `scinv`) retrieves the disk size from the clients. scVENUS 2.2.1 introduces enhancements to the commands `scinvlist`, `scinventory` and `scinvtlist`.

For more details, please refer to the HTML reference documentation on the scVENUS DVD.

GUI

The usability has been improved. The GUI in scVENUS 2.2.1 offers a more unified appearance than previous versions. scVENUS 2.2.1 introduces an interface for bootstrapping a client. The Queueing panel and the News window have been redesigned.

For more details, please refer to the GUI Manual.

scpm

scVENUS 2.2.1 introduces the possibility to extract packages without any entry in the software stock directory. It is now easier to filter when querying information from the software stock directory and when checking the installed software.

For more details, please refer to the HTML reference documentation on the scVENUS DVD.

Miscellaneous

`screvctrl` has been enhanced and optimized.

`scrinstall`, `scaddpkg`, `scdelpkg`, `scprdo`, `scqpush` have received a new option to print `stdout` as soon as there is output on `stderr`. With scVENUS 2.2.1 you can specify a space-separated list of positional arguments for scVENUS methods on the command line.

For more details, please refer to the HTML reference documentation on the scVENUS DVD.

New Operating System Support

Debian 3.1

Solaris 10

SUSE 10.0, 10.1

MAC OS X 10.4* (limited support, please check the Welcome chapter in the Upgrade and Installation Manual)

Supported Operating Systems

Solaris 2.5.1*, 2.6, 2.7*, 8, 9, 10

HP-UX 10.20*, 11.00, 11.11, 11.22*, 11.23*

AIX 4.3, 5.1, 5.2, 5.3

IRIX 6.5, IRIX64 6.5

Tru64 5.1*

SUSE 8.0 -9.3, 10.0, 10.1, SLES 8, 9

Red Hat 7.0 – 8.0, 9

Red Hat EL 3, 4

Fedora Core 2, 3

Debian 3.0, 3.1

FreeBSD 4*

Windows NT*/2000*/XP*/Server2003*

Mac OS X 10.4* (limited support, please check the Welcome chapter in the Upgrade and Installation Manual)

* not supported for scVENUS-Master and for LDAP-Server

Please refer to the Welcome chapter in the Upgrade and Installation Manual for operating system support for multicast, LDAP clients and LDAP for automounter.

scVENUS Live CD

Try out the features of scVENUS in only a few steps. If you are interested in the scVENUS Live CD, please contact our sales department:

venus@science-computing.de

Sales

If you would like to purchase scVENUS, please contact our sales department:

venus@science-computing.de

Email Support

If you have support requests, please write an email to:

venus-support@science-computing.de

Regarding scVENUS licensing, address questions to the following email:

venus-license@science-computing.de

Mailing Lists

We use a mailing list to announce new scVENUS release and hotfix versions:

venus-announce@science-computing.de

The following mailing list is open to discussion for all interested parties. Its purpose is to encourage the exchange of experiences and the discussion between scVENUS administrators.

venus-list@science-computing.de

For subscription information for the above lists please refer to the Welcome chapter of one of the scVENUS manuals.

Web Portal and Homepage

On our homepage you find current information about scVENUS:

<http://www.science-computing.de/products/scvenus.html>

This site offers access to the scVENUS web portal (<http://portal.science-computing.de>), a description of the advantages and functionality of scVENUS, fact sheets you can download and the current release information.

Training

We frequently hold scVENUS training courses. For more information please send an email to:

seminare@science-computing.de

Of course, we also offer training courses specially designed for your requirements.

Documentation

The complete scVENUS documentation consists of:

- Administration Manual 2.2.1
- Reference Manual 2.2.0
- Reference Documentation 2.2.1 (html-only, see directory `Documentation` of the scVENUS DVD)
- GUI Manual 2.2.1
- Inventory Manual 2.2.0
- Monitoring Manual 2.2.1
- Upgrade and Installation Manual 2.2.1

Registered customers can download the electronic versions of the manuals from our web portal:

<http://portal.science-computing.de>