



CHANGELOG **SERVERware**

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Improvements & Bug fixes:

- Instance flavor limitation for CPUs, IOPS and bandwidth increased to unlimited and a notice for bad memory and storage values was implemented.
- The range for blocking IPs on sipPROT is now limited to /8.
- Fixed a bug where the VPS owner could manage all VPSs by default.
- Fixed a bug where a custom value was not allowed when extending VPSs.
- Fixed a bug where sip ports fields in sipPROT were empty after an upgrade.
- Takeover tasks of VPSs that do not have DNS SRV records will no longer display the “Completed with errors” error message in the GUI. Instead, there will only be a warning message in the CLI logs.
- Fixed a bug where the VPS template download got stuck if the LAN connection was lost.
- Fixed a bug in the Audit logs where the action would complete, but it would still be displayed as “Queued”.
- Limited the number of characters for host names in the Setup wizard to 60.
- Implemented a lock when editing VPS resources which prevents restarting the VPS while an action is still in progress.
- Improved logging for VPS trim.
- When adding DNS Zones an error message will appear if DNS protection is enabled in sipPROT.
- Fixed a bug where an IP address from the Default partition could be assigned to a VPS in a partition where no IPs are added.
- Whitelisted trusted Bicom Systems domains in sipPROT.
- Fixed a bug where pressing the escape button would prompt an error message in the GUI.
- Fixed a bug where the evacuate functionality was not working on hosts that are running on different versions of SERVERware.
- Firecracker binaries are now installed on GUI update.

- Updated sysmonit as part of the sw-connector update during GUI update.
- Fixed an issue in sw-wcp where BI statistics fail to fetch total restored bytes from the backup server.
- Modified the SERVERware UI to change “Login” form to “Log in”.
- Resolved an issue in the partition edit form where users were unable to enter a custom number in the storage size field.
- Fixed margins for Backup - Bulk Restore Details view.
- Prevented fc-start/fc-run from starting the same VPS instance multiple times.
- Resolved an issue in sw-connector where the installer installed sw-firecracker twice, leading to misleading sysmonit messages.
- Enforced file system check after VPS extend in sw-connector.
- Added statistics for DISK IOPS in KVM.
- Fixed an API issue in Create VPS, where the back-end check for the engine field (LXC, KVM) was missing when using an external API call.
- Added at package to SERVERware OS.
- SERVERware 4.5 iso updated to the latest EFI.
- Sysmonit updates as part of sw-connector update.

Bug Fixes

- VPS owner could by default manage all VPSs.
- Custom value was not allowed when extending VPSs.
- SIP ports fields in sipPROT were empty after upgrade.
- VPS template download got stuck if the LAN connection was lost.
- An action was completed, but it was still displayed as “Queued” in the Audit log.
- IP address from the Default partition could be assigned to a VPS in a partition where no IPs are added.
- Fixed a bug where pressing the escape button will prompt an error message in the GUI.

Improvements

- Instance flavor limitation for CPUs, IOPS and bandwidth increased to unlimited and a notice for bad values for memory and storage was implemented.
- The range for blocking IPs on sipPROT is now limited to /8.
- Takeover tasks of VPSs that do not have DNS SRV records will no longer display the “Completed with errors” error message in the GUI, there will only be a warning message in CLI logs.
- Limited the number of characters for host name in the Setup Wizard to 60.
- Implemented a lock when editing VPS resources which prevents restarting the VPS while the action is still in progress.
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- Whitelisted trusted Bicom Systems domains in sipPROT.

4.4.0

Bug Fixes:

- Fixed issue where the “sipprot version” command would hang when no response was received from bicomssystems.com
- Added ability to delete domain admin, VPS owner, or administrator while linked to a VPS.
- Resolved problem where Administrator & Domain admin could not remove themselves as a user.
- Improved handling of logs when sw-auth crashes.
- Fixed issue where GRS allow IPs would not work if there was a space after the comma in the list (e.g., “192.168.1.0./24, 10.1.0.6”).
- Limited Setup Wizard hostname character limit to 60 characters.
- Fixed issue where Setup Wizard incorrectly generated SAN VIP in some subnets.
- Fixed error in Setup Wizard network speed for V2.
- Changed the sw-connector update feature not to explicitly and only use TLS 1.0.
- Updated APIs that initiate an async action to return HTTP Code 202 instead of 200.
- Changed syslog view to load logs for the last 24 hours by default.
- Restricted Domain admin and VPS admin from downloading “VPS list” CSV file.
- Fixed the inability to cancel a single takeover task from the Bulk Takeover submenu.
- Resolved the issue where the Backup and Restore search button was not working.
- Fixed VPS compensation after failed remove that broke vps.conf.
- Removed the “Restore VPS” functionality from the VPS window.
- Fixed inability to undo evacuate VPSs from a host.
- Improved Unpacking OCI image layers to handle removed files and directories.
- Fixed an issue where editing OCI VPS if the run was set to “0” was not possible.
- Fixed OCI working directory and stop signal not being propagated properly.

- Removed intrusive logs in the swrepl debug mode.
- Fixed the issue with the MIRROR icon on the Hosts section not working correctly.
- Addressed issue where identical IP addresses could be assigned to SAN interface on multiple hosts.
- Improved error message handling when removing a subnet from a domain while still in use.
- Fixed warning “Unable to get service type name for VPS ubuntu-oc - no service type name provided” when using Takeover OCI image.
- Fixed crashing volume replication.
- Created health check for sw-auth authentication and authorization gRPC service.
- Adjusted GUI for external address.
- Fixed inability to install OCI image on Local Storage Host.
- Resolved an issue where backup job timeout resulted in VPSs being filled with “None” for their IP addresses, breaking functionality.
- Upgrade of servers with disks $\geq 2T$ and legacy BIOS enabled.
- OCI template installation fails for some images due to incomplete implementation.
- GUI - Illegible GR site name when selected in the dropdown menu.
- Check for duplicate IP in LXC hooks.
- XMPP disabled for notifications.

4.3.1

- Fixed: Compensation action to properly revert VPS on fail VPS removal.
- Fixed: Unable to undo evacuate VPSs from host after core upgrade.
- Fixed: Unpacking OCI image layers to handle removed files and directories.
- Fixed: When creating OCI VPS, the working directory and stop signal are not propagated to oci.conf.
- Fixed: Setup Wizard, specific configuration, doesn't allow editing IP addresses on the Storage step.

4.3.0

Bug Fixes:

- Fixed - When SERVERware user is suspended, and users are trying to login in SERVERware GUI, the action fails with the wrong message: “Internal Server Error” instead of “User Account Suspended”.
- Fixed - When trying to update sw-wcp through GUI it gets stuck but in the backend.
- Added - a “Successful” message in Archiving form when reapplying the form with identical credentials.
- Fixed - DNS Zones problem where the validation of the IP addresses in the “from” and “to” fields is applied only to the first address.
- Fixed - BAS: changing the user’s password doesn’t reload it immediately.
- Fixed - The value of the metric that triggers the alarm was not rounded to two decimal places.
- Added - Cleanup for “sw_saga_logs” older than seven days.
- Fixed - DNS record requests from the public internet to the outside of DNS zones SERVERware is authoritative for were not blocked.
- Removed - When there are no configured replications, the backend returns 404, spamming Syslog and GUI with errors.
- Fixed - Adding another backup job with the same frequency e.g.
- Fixed - Adding backup job - error handling
- Fixed - BAS error messages were confusing if there is no BAS enabled on the server.
- Fixed - Archiving service, constantly trying to connect to the server if enabled in the license.
- Added - Network editing dialogue in GUI, added a warning when the wrong format of IP is entered in the gateway.
- Fixed - In the upgrade procedure of database table sw_triggered_alarms(_archive) has no check if a column already exists. It results in unneeded errors in the log if the upgrade procedure starts executing.

- Fixed - Changing IP addresses on SERVERware builds was complicated due to the inability to change the host's IP address as it does not consider the new IP address as a part of a management network, although the same has been defined within a new subnet.
- Fixed - After successfully creating the IPV6 Virtual Network, one can not edit the gateway in the edit dialogue.
- Fixed - GRS metadata was missing for DNS SRV.
- Fixed - When backup restore fails, an error message is too long and contains unnecessary info.
- Fixed - An updated sw-connector fails to process a response from an older version of the swhspace service since it is asking for a property that is not available in an older version of the swhspace response.
- Fixed - Changed, Syslog used reload instead of restart.
- Fixed - Using API to add the VPS in any domain or any host/storage server was available with no restrictions.
- Fixed - GUI not available if the CONTROLLER cannot reach the downloads server.
- Fixed - When Active, the Site monitor will send logs in every minute (or Schedule time); this would spam system logs to an unusable state.

4.2.2

- Fixed: MySql exeption when editing virtual network.

4.2.0

Bug Fixes:

- Fixed - On a new install and core upgrade, the content of the controller's "/home/updates" folder is cleared.
 - Fixed - "KeyError" exception when handling status updates from hosts.
 - Fixed - "Unexpected websocket close" (abnormal closure).
 - Fixed - The Sysmonit on the secondary storage server fail to start.
 - Fixed - "sw.conf" watcher fails to catch initial WRITE event.
 - Fixed - When editing a configured host, the action would not be authorized and the changes would not be applied.
 - Fixed - SWCentlog failed to create client/server.conf.
 - Fixed - Use Syslog reload instead of Syslog restart system-wide.
 - Fixed - "Storage Host" field in "Settings/Storage" is now read-only.
 - Fixed - Initial backup job was failing.
 - Fixed - The host will be skipped and left disconnected if the sw-connector on the host is stopped.
 - Fixed - "netsetup" not showing one of the 10Gib/s network interfaces (82599ES 10-Gigabit SFI/SFP+).
 - Fixed - When the Administrator account is degraded, 2FA is lost for the user.
 - Fixed - Ubuntu template does not have access to cgroup2 hierarchy.
 - Fixed - Unsuccessful host remove action leaves the host in an unmanageable state.
 - Fixed - sw-connector crashes on some systems due to pytz module.
 - Fixed - Geo Redundancy - After the coresys upgrade the mount point was missing.
 - Fixed - Upgrade removes reservation for system pool.
 - Fixed - Unable to browse VPS backups after core update.
 - Fixed - Unable to start nvmetcpd if Syslog-ng is down.
-

- Fixed - Cron job for removing controller update snapshot not executing.
- Fixed - VPS Rename fails with “(threads can only be started once)”.
- Fixed - Setup Wizard API Token authorization fails after several subsequent rollbacks and setups.
- Fixed - Processing host activation password problem.
- Fixed - Site-Monitor “warnings” removed from the system logs.
- Fixed - sw-connector/controller “exception” error when updating record for removed VPS.
- Fixed - Rotating rootfs dataset after core system upgrade fails if dataset from the previous upgrade has a snapshot.
- Fixed - API - Created multiple Archive tenants on a single VPS.
- Fixed - Backup - use dataset mount point for browsing backups.
- Fixed - Statistics - Date/Time range picker not working properly.
- Fixed - Statistic charts for hosts with multiple VPSs are sawtooth-shaped.
- Fixed - Can’t move VPSs from the host in “Down” state.
- Fixed - On failover action, the secondary server reboots.
- Fixed - Netsetup can not delete the br0 interface.
- Fixed - When the RAN link is temporarily broken after reconnecting, NVMe/TCP will not reconnect secondary storage devices.
- Fixed - Saga Evacuate from the host in “DOWN” state will “START” all VPSs evacuated.
- Fixed - VPS name longer than 22 characters in Domains tab covers the date on “recent activity”.
- Fixed - LXC config cgroup2.memory not updated after upgrading coresys from 3.3.1 to 4.1.1.
- Fixed - Backup Host - sw-connector upgrade from GUI would be stuck in the process.
- Fixed - When Bulk Restore fails to restore VPS and its start time is 0, its failed record gets deleted, deleting the history of the attempt.
- Fixed - Reload license data regarding GRS after license reload.

- Fixed - Triggered Alarms not visible after removing host action.
- Fixed - Bulk restore & bulk takeover details missing scroll bar.
- Fixed - BAS - unable to access minio storage.
- Fixed - BAS - can't enable/disable archiving on VPS.
- Fixed - BAS - can't update VPS if archiving isn't enabled on the VPS.
- Fixed - BAS - Tenant dataset is not removed on Archive removal.
- Fixed - Browse & Restore does not list the last 3 backup cycles.
- Fixed - Restarting sw-connector sets VPS tmp and run size to 0.
- Fixed - Modify Tenant replaces Passphrase keys for ZFS Datasets.
- Fixed - 'IP address' column in Backup job side panel for VPSs shows IP address of the backup host (SAN) instead of VPSs' IP address.
- Fixed - Added scroll on IP Address Reservation Selection on the Domain.
- Fixed - Concurrent issues with sw-connector connection establishing.
- Fixed - Reactivating the host with the wrong password will not fail.
- Fixed - Bulk Restore will not warn for duplicated destination names for the selected VPSs.
- Fixed - Bulk Restore to multiple processing hosts always shows processing host from first VPS in 'Destination Host' field.
- Fixed - Syslog-ng WARNING window sizing for TCP.
- Fixed - VPS hangs in the building state if the Domain dataset is not configured.
- Fixed - Resume of an incremental backup fails because the previous snapshot is removed.
- Fixed - Empty activity log for a finished backup job.
- Fixed - Saga does not report error logs when they occur before transactions.
- Fixed - "tuple index out of range" error in GUI on failed backups.
- Fixed - Site monitor without any tests executes all actions.

- Fixed - Error handling for dataset destroy on go-libzfs.
- Fixed - Skip broken links in nvmetcpd.
- Fixed - Sw-wcp to folder /var/log/sw-wcp/ if folder does not exist.
- Fixed - Memory usage not correct inside VPS.
- Fixed - The spare disk is no longer available after the failover.
- Fixed - All failed registration attempts will not reach the sipPROT firewall if VPS is Whitelisted.
- Fixed - Bug - Buttons do not appear in a windowed (non-fullscreen) browser.

4.3.1

**Please update to the latest sw-connector: 1.5.4+build.43.rev.ba507cb
(include the fix for OpenSSL Infinite Loop Vulnerability CVE-2022-0778)**

- Fixed: REST API caching middleware (primarily due to GRS browsing issue).
- Fixed: When the RAN link is temporarily broken after reconnecting NVMe/TCP will not reconnect secondary storage devices.
- Fixed: NVMETCP - On failover secondary server reboots.
- Fixed: Statistics - Date/Time range picker not working properly.
- Fixed: Geo Redundancy - After the coresys upgrade mount point missing.
- Fixed: Sw-connector would occasionally lose connection with the backup host.
- Fixed: Add Host will hang in certain cases.
- Fixed: When sw-connector on the host is stopped while sw-connector on the CONTROLLER is trying to connect to the host, the host will be skipped and left disconnected.
- Fixed: KeyError exception when handling status update from hosts.
- Added GRS: Search by VPS, Expand/Collapse All.
- Added Setup wizard to calculate the system disk size and accordingly set the quota for the /rootfs.
- Fixed: Geo-redundancy: Removed info messages from swrepl.

4.1.2

- Fixed: Admin were unable to browse VPS backups after core-system update.
- Fixed: VPS Rename fails with “(threads can only be started once)” message.
- Added swrepl configurable timeout for RPC calls (config.json is updated with a configurable option for RPC calls and the default option is 60 sec).
- Added Ability to sort backup/replication tasks.
- Fixed: Statistic charts for hosts with multiple VPSs where sawtooth-shaped.
- Fixed: Admin were unable to move VPSs from the host in downstate.
- Fixed: LXC config, cgroup2.memory not updated after core-system upgrade from 3.3.1 to 4.1.1.

4.1.1

- Fixed: Remove unnecessary services from system config startup.
- Fixed: When Bulk Restore fails to restore VPS and start time is 0, its failed record gets deleted, deleting history of the attempt.
- Fixed: Reload license data regarding GRS after license reload.
- Fixed: BAS - unable to access minio storage.
- Fixed: Browse and Restore does not list last 3 backup cycles.
- Fixed: 'IP address' column in Backup job sidepanel for VPSs shows IP address of backup host (SAN) instead of VPSs' IP address.
- Fixed: Reactivating host with the wrong password will not fail.

3.2.5

- Fixed: Setup Wizard fails to setup storage on certain hardware due to an issue caused by the “parted” tool.
- Fixed: Setup Wizard fails to setup networking due slow setup of the aggregation link (ICMP test was failing).
- Fixed: Removed VPS sometimes stays in the VPS list suffixed: with “[timestamp]”.
- Fixed: Sysmonit fails to connect remote disks if one of them is not available.

3.2.4

- Fixed: sipPROT config from GUI was not applied to hosts after a core update to 3.2.
- Fixed: VPS Create dialog changed to prevent creating PBXv6 using flavors with RAM less than 1GB.
- Fixed: Upgrade of sw-connector causing downgrade on failover after a longer period with minor updates from GUI.
- Fixed: VPS Volume Extend dialog was not formatted properly on lower resolutions.
- Fixed: Search bar was not formatted properly on lower resolutions.
- Fixed: Dashboard STORAGE pie showing wrong values.
- Fixed: Unable to move VPSes from 3.1.x to 3.2.x host.
- Fixed: Enabled network configuration of Ubuntu based VPSes.

3.2.3

- Fixed: Increased backup timeout to 24h for legacy backups.
- Fixed: Bssup setup procedure fail in some scenarios.

3.2.2

- Fixed: SERVERware core-update package Fixed:.

3.2.1

- Fixed: memory leak caused by lxc.

3.2.0

Bug Fixes:

- Fixed: kernel:unregister_netdevice: waiting for eth0 to become free.
- Fixed: SW-connector does not failover VPSs if SMTP configuration is not valid.
- Fixed: LXC detection fails after kernel 4.4.
- Fixed: VPS Clone action fails on IO overloaded storage.
- Fixed: VPS Statistics IOPS chart shows very high IOPS spikes once VPS is restarted.
- Fixed: Live VPS resize causing MySQL corruption.
- Fixed: Ubuntu VPS fails to start and reports a problem with systemd.
- Fixed: Alarm trigger values not saved.
- Fixed: Backup server installation with the pool of more than 2 HDDs, fail on boot after restart (Grub).

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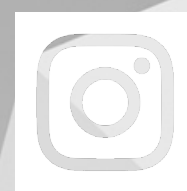
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