

## Charon-SSP 3.1.28 Release Notes

### Host system requirements and supported virtual hardware

Please refer to the user's guide of your respective Charon-SSP product.

### New Features since 3.0.x

- Cloud-specific product variants for AWS and OCI with cloud license server
- Sun-4v support with increased main memory support (Solaris 10: 1TB, Solaris 11: 512GB)
- USB removable device support for 4U/4V (non-cloud versions)
- Charon Manager integrated SSH tunnel between Manager and Agent
- Charon Manager automatic update via GUI
- Automatic initial management password change and command-line option to change management password
- Suspending and resuming a Charon emulator instance
- Improved SSH VPN bridge creation support in Charon Manager

### Important Bug Fixes and Other Changes since Version 3.1.21

#### Bug fixes:

- Solaris booting issue on SSP/4V-PLUS-JIT
- The installation of Solaris 11-2 fails with physical disk on SSP/4V
- There are error logs when installing Solaris 10 u6 on SSP/4V
- Network booting/installation fails with BGE adapter on SSP/4V
- "Time of Day clock error" will be printed by Solaris when recovering from snapshot
- "Restart"/"Shutdown" buttons of Baremetal display wrong status sometimes
- Removable devices cannot be attached/detached with Windows Manager
- Renaming a VM may crash Charon Manager
- Problem in charon-passwd tool
- SSP reports errors when restoring from snapshot
- ZFS boot bug
- Solaris boot problem with 128GB memory
- Improved SCSI shutdown procedure to avoid data loss during Solaris reboot or shutdown

### Other changes and enhancements:

- Terminate SSP/4V if detecting configuration issue with TTYA-TTYP, Manager will also mark conflicting ports in red on summary page
- Changed the title of login window of Charon Manager
- Load GPIB driver automatically in Baremetal
- Solved path dependency issue in Charon-SSP executables
- Sign kernel module to support UEFI boot
- Added access control in Charon Manager for vconsole device in SSP/4V
- Speed up memory allocation for huge memory configuration in SPARC

### Other Important Bug Fixes and Changes in Earlier 3.1.x Versions

#### Bug fixes:

- Fixed crash problem when using port scanner to scan console port

#### Other changes:

- Increased license expiration time to 24 hours for cloud-specific products
- Barebone: disabled the service of NetworkManager
- Baremetal: changed the user role from charon/storage to charon/sshuser, 'charon' user can only be used to access SFTP sever and create SSH connection between Manager and Agent, 'sshuser' user can only be used to run simple command through SSH: ip and iptables