

NEC SX-Aurora TSUBASA Software

This document describes cautions for installation. Read this before your installation work start.

a) Preparation of installation

a) Before installation of SX-Aurora TSUBASA software, it is necessary for Red Hat Enterprise Linux or CentOS to be installed on each host server.

b) Installation Guide of SX-Aurora TSUBASA software is found in the following Aurora Forum Document site.

<https://www.hpc.nec/documents/>

Depending on your installation method, refer to any of the following guide.

| Title | File name | detail |
|---|---|---|
| SX-Aurora TSUBASA Setup Guide | SetupGuide_E.pdf | This document explains how to set up the SX-Aurora TSUBASA system, including hardware setup, installation of the OS and software, basic environment settings, and execution of sample programs. |
| SX-Aurora TSUBASA Installation Guide | InstallationGuide_E.pdf | This document explains how to install and update required software on Vector Island (Linux server that has a VE card). |
| SX-Aurora TSUBASA Installation Guide (with OSS) | SX-Aurora_TSUBASA-InstallGuide_with_OSS_E.pdf | When you install it in a large number of hosts for a large-scale system using OSS, use this guide. |

c) Software which is necessary for operation including VEOS providing an OS function for SX-Aurora TSUBASA is available in the NEC yum repository. You can install the software packages from the NEC yum repository using the yum command. Refer to the above guides.

Registered packages in the NEC yum repository (free software)

| package | contents |
|---------------------------------|---|
| VEOS | Base package to execute VE program and user environment for VE programmer |
| MMM | MMM (Monitoring and Maintenance Manager) |
| VMC Firmware | VMC (VE Management Controller) firmware |
| SX-Aurora TSUBASA InfiniBand | InfiniBand control software |
| License server | License management software |
| License access library | License check library |

d) If you have the PP support contract, you can install the paid software packages from the NEC yum repository subject to access restrictions with the yum command. The serial number written on the serial No. card is necessary to access the repository. Otherwise, you install the packages in hand. Refer to the above guides for more information.

2. License issuing

Refer to *HPC Software License Management Guide* attached to products which need license management like compiler or MPI. And get a license in the following site.

<https://www.hpc-license.nec.com/aurora/>

When a displayed screen is Japanese, click "English" in the right-hand side of the screen.

This system requires registration for your account.

3. Online file

The latest edition of this document is available from the following.

https://www.hpc.nec/documents/support/pdfs/SX-Aurora_TSUBASA_SW_README_E.pdf