



**Hewlett Packard  
Enterprise**

# **Application Tuner Express:**

## **Installing ATX**

November 2015

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# Supported environments

- ATX is supported on the following OS distributions:
  - Red Hat Enterprise Linux 6.6 and all follow-on 6.x releases
  - Red Hat Enterprise Linux 7.0 and all follow-on 7.x releases
  - SuSE Linux Enterprise Server 11 SP3 and all follow-on 11 SPx releases
  - SuSE Linux Enterprise Server 12 and all follow-on 12 SPx releases
- ATX is currently supported on the following platforms
  - Superdome X Gen9
  - Superdome X Gen8
- Release cadence:
  - Recompile-only release to support major distribution releases (i.e., RHEL 8, SLES 13)
  - No regularly scheduled product feature enhancement releases
    - Will only happen when new customer-valuable features are added

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# Obtaining ATX

- ATX is available from the HPE Software Depot
  - <http://www.hpe.com/info/softwaredepot>
- Search for ATX in the search box
- Download the ATX rpm for the desired Linux distribution

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# RPM Signature Verification

- ATX rpm files have been signed with digital private keys only held by HPE
- This ensures that the rpm file has not been manipulated by a third party
- To validate and verify the digital signature of the signed rpm file visit the following HPE Software Depot web page:
  - **HPE GPG or RPM Signature Verification (HPLinuxCodeSigning)**
  - <https://h20392.www2.hpe.com/portal/swdepot/displayProductInfo.do?productNumber=HPLinuxCodeSigning>
- Follow the instructions for verifying rpm files
- If you choose to not validate and verify the digital signature of ATX rpm files you may see a warning similar to the following when installing:

```
warning: hpe-atx-1.0.0-51.31.rhel6.x86_64.rpm: Header V3 RSA/SHA1 Signature, key ID  
b1275ea3: NOKEY
```

However, ATX will still install correctly

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# Installation

– Login as the system administrator (root), download the RPM to a directory on your hard drive and change to that directory

– To install the package using the rpm command:

```
rpm -ivh hpe-atx-<version>.rpm
```

(for example: `rpm -ivh hpe-atx-1.0.0-50.39.rhel7.x86_64.rpm`)

– To install the package (as well as all required dependent packages) using distro tools:

RHEL: `yum install hpe-atx-<version>.rpm`

SLES: `zypper install hpe-atx-<version>.rpm`

– To get a list of all dependency files for ATX:

```
rpm -qp --requires hpe-atx-<version>.rpm
```

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# Package dependencies

- ATX is dependent on the following commands and libraries:
  - `/usr/lib64/libnuma.so.1`
    - Repo Package Name:
      - RHEL: `numctl-libs` or `numactl` (changes from release to release)
      - SLES: `libnuma1`
  - `fuser` command
    - Repo Package Name: `psmisc`
  - `glibc` library
    - Repo Package Name: `glibc`
- The ATX rpm file will specify these packages as dependencies
- If the ATX rpm is installed with distro tools (`yum` on RHEL or `zypper` on SLES) the distro tools will install the required dependent packages.

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# Licensing

- ATX is shipped with a free Instant-On Trial License
- The Instant-On Trial License will be automatically installed when the ATX rpm is installed
- To find out how many days are remaining with the trial license use:

```
hpe-atx --license-status or hpe-atx -s
```
- To obtain a permanent license (available at a later date) visit the ATX page on the HPE Software Depot
  - Follow the instructions to obtain a permanent license
  - Download the <license>.dat file
- To install the permanent license use:

```
hpe-atx --license-add=<license>.dat or hpe-atx -a <license>.dat
```



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**Thank you**