



Red Hat Enterprise Linux Update Procedure

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Revision History

REVISION	NOTES
A	Initial release

Introduction

This guide describes how to perform Red Hat Enterprise Linux (RHEL) updates on Bionano hardware. Security and other system level updates should be applied on a regular basis and before installing Bionano Access, Solve or VIA software. This operation requires Internet access and will update the libraries on the system to the latest versions, including various security updates. Please be sure to reboot the system after applying system updates.

Update Process

System updates are installed by running the 'yum' command line program. Bionano software has been evaluated with specific versions of the Slurm queuing engine and related DRMMMA libraries. These dependencies should only be updated when advised by Bionano support personnel or installation instructions. System updates must therefore exclude these libraries to avoid unintentionally updating these dependencies.

To install general updates for all available updated packages while excluding slurm, execute the following command:

```
yum update --exclude=slurm-*
```

Security updates can be applied in a more granular manner if desired, for example to only install updates of a certain severity. The following command will list all security updates available:

```
dnf updateinfo list updates security
```

To list security updates with a severity of Moderate or higher:

```
dnf updateinfo list --sec-severity=Moderate
```

To install packages with a severity of Moderate or higher:

```
dnf update --sec-severity=Moderate
```

Complete documentation on managing and monitoring security updates is available on the RedHat Enterprise Linux [website](#).

Technical Assistance

For technical assistance, contact Bionano Technical Support.

You can retrieve documentation on Bionano products, SDS's, certificates of analysis, frequently asked questions, and other related documents from the Support website or by request through e-mail and telephone.

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Email	support@bionano.com
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