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## Securing Red Hat Enterprise Linux at LANL

*Wednesday, 14 May 2008 11:00 (40 minutes)*

The Linux operating system is an increasingly popular solution for both server and workstation computing. Los Alamos National Laboratory has developed a flexible set of tools that end users and system administrators can use to secure Red Hat Enterprise Linux. Our security approach is comprised of several flexible tools:

The LANL Security Tool On Red Hat (LANL-STOR) which performs secure host configuration.

The LANL Red Hat Update Server providing tested package updates from a local source.

The LANL ExpressWay Red Hat network installation tool.

These tools are fully integrated into our network based installer (ExpressWay) yet flexible enough to be applied to pre-installed systems or systems installed from Red Hat supplied media.

This talk will concentrate on the LANL-STOR secure configuration tool. We will discuss:

Requirements generation from source documents to working tool.

The architecture of LANL-STOR and how it has been designed to work on all classes of Red Hat systems from laptops to servers.

How LANL-STOR integrates with the installation tool and RHNS server.

New features added to support compliance reporting.

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