MAC CONFIGURATION MANAGEMENT AT LANL

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OVERVIEW

- LANL needed better non-Windows configuration management

THE CHALLENGE

- Meet NAPs requirements

- Resolve audit findings

- Better manage environment

PRODUCT SELECTION

- Hardware inventory

- Software Inventory

- Software and Patch Distribution

- Ad-hoc script execution

- Direct SQL access to data

- Runs on Mac OS X

- Runs on Red Hat Enterprise Linux (RHEL)

- Runs on other UNIX and Linux variants

PRODUCTS

WHY PUPPET?

- Inventory in an SQL database right out of the box

- No capital outlay

- Modern, well supported product

- Active open source community

- Server can run on Mac OS X Server

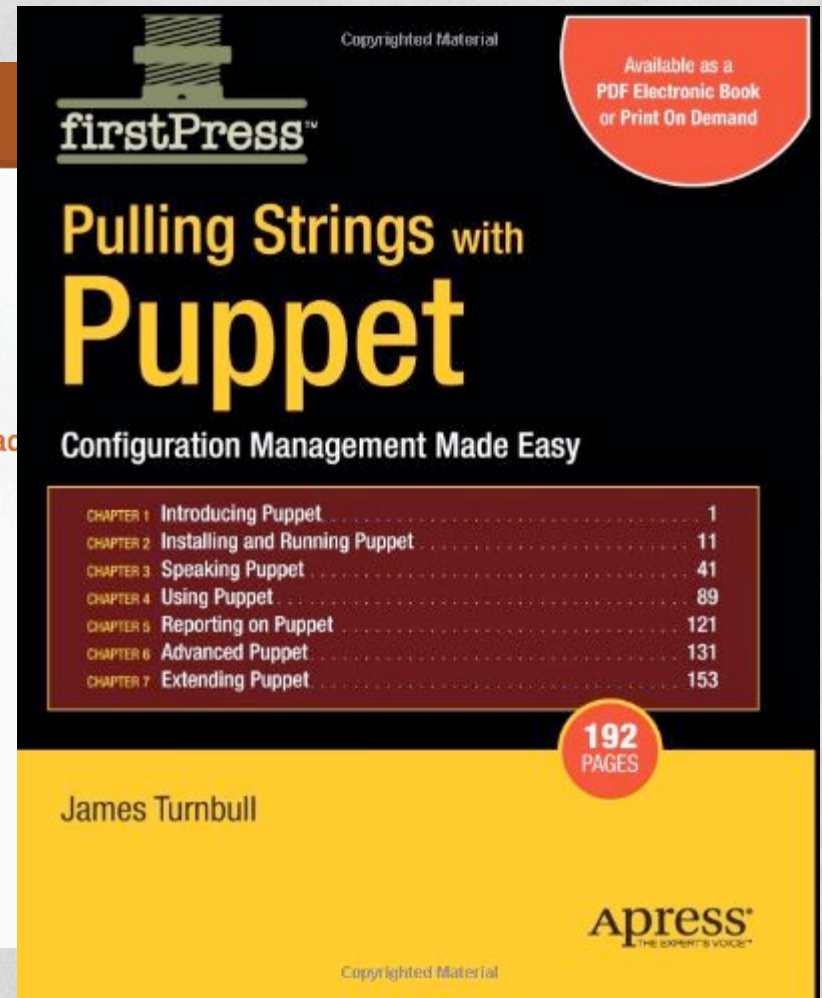# GETTING STARTED

Docs: Puppet Docs

Puppet Docs

Welcome to the Puppet documentation site.

An downloadable version of this guide may be found on our download

Getting Started

New users should begin here.

- An Introduction to Puppet
- Supported Platforms
- Installing Puppet – from packages, source, or gems
- Configuring Puppet – includes server setup & testing
- Frequently Asked Questions

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Available as a
PDF Electronic Book
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Pulling Strings with

Puppet

Configuration Management Made Easy

192 PAGES

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BASIC IMPLEMENTATION

- Mac OS X Server

- Xcode

- Puppet

- ...then a bunch of stuff for MySQL

CONFIGURATION MANAGEMENT

- Install Packages

- Apple Software Updates

ADVANCED IMPLEMENTATION

- There's lots more behind the stage.

LANL'S IMPLEMENTATION

- Machine Inventory

- Custom Facts

- Web front end

- STOM and SAV Distribution

- Software Inventory

- Apple Software Update

- Mac Imaging

LESSONS LEARNED

- Start small and simple

- Client ID Issues

- Certificate Issues

- Plus many more in the paper

CLOSING THOUGHTS