# MOZILLA AND PUPPET

# WHO AM I?

**BRANDON BURTON**
**@SOLARCE**
**MOZILLA WEB OPERATIONS**
**LOLCAT ENTHUSIAST**

# SHOUTOUT

## MOZILLA IT INFRASTRUCTURE TEAM
@JABBADOW
@FLOATINGATOLL
@LIMED
@JUSTDAVEMILLER
@UBERJ_
@TUCKERWHAT
DIGI

# TODAY

**OVERALL LAYOUT
BEST PRACTICES FOR MODULES/MANIFESTS
SCALING PUPPETMASTERS
PUPPETCTL
PUPPET DASHBOARD
NAGIOS**

# FOCUSING ON MOZILLA IT

## ALSO RELENG - PUPPETAGAIN

# OVERALL LAYOUT

```
MODULES/
|__FILES/
|__MANIFESTS/
|__TEMPLATES/
MANIFESTS/NODES/
HIERA/
```

# BEST PRACTICES

BASED ON PUPPETLABS
SVN PRECOMMIT HOOK
|__CHECK-PUPPET-SYNTAX
|__CHECK-TEMPLATE-
SYNTAX
PUPPET-LINT

# SCALING PUPPETMASTERS

AT LEAST A PUPPETMASTER PER DC
FRONTEND/BACKENDS
FRONTEND DOES ALL SSL ACTIONS
NON-SSL ACTIONS PROXIED TO BACKENDS

# PUPPETCTL

**SCRIPT FOR DISABLING/ENABLING THE PUPPET AGENT
HAS ARGUMENTS FOR AMOUNT OF TIME
EDITS MOTD
HTTPS://GITHUB.COM/MOZILLA-IT/PUPPETCTL**

# PUPPET DASHBOARD

## CHECK FOR ERRORS
## INFRA TEAM KEEPS AN EYE ON IT
## HTTP://THEFOREMAN.ORG/

# NAGIOS

**PUPPET GENERATES OUR NAGIOS CONFIGS
STALENESS CHECK BASED ON PUPPET DASHBOARD**

# WHERE WE'RE GOING

**SECRETS MODULE
HEIRA
PUPPETDB
OPEN SOURCING MODULES**

# SECRETS MODULE

**PRIVATE REPOSITORY
SSL CERTIFICATES
SECRET BINARY FILES
JUST A MODULE YOU CAN INCLUDE**

# HEIRA

**PASSWORDS, CREDENTIALS, SECRETS**
**HEIRA-GPG**
**PARAMETERIZED CLASS DEFAULTS**
**NOT ENTIRELY DECIDED YET**

# PUPPETDB

## OVERLAPS WITH INTERNAL INVENTORY TOOL
## HTTPS://GITHUB.COM/MOZILLA/INVENTORY

# OPEN SOURCING MODULES

**DEPENDS ON SECRETS MODULE**
**NOT A GOAL, BUT NEAR IT**
**TRYING TO DEVELOP NEW MODULES IN PUBLIC**
**E.G. HTTPS://GITHUB.COM/RTUCKER-MOZILLA/PUPPET-SSH-1/**

# WANT TO KNOW MORE?

### HTTPS://BLOG.MOZILLA.ORG/IT/

### LCA 2013: PUPPET LIKE AN ADULT

### PUPPET CONF 2012: SCALING PUPPET

### HTTPS://GITHUB.COM/MOZILLA-IT

# SLIDES

## HTTPS://SPEAKERDECK.COM/SOLARCE/MOZILLA-AND-PUPPET