MOZILLA AND PUPPET
WHO AM I?

BRANDON BURTON
@SOLARCE
MOZILLA WEB OPERATIONS
LOLCAT ENTHUSIAST

I PUT ON MY ROBE
AND WIZARD HAT.
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

Friday, February 22, 13
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
KEEP ON ROCKIN' THE FREE WEB