MagNETO Review for EM&M Deployments

At the Nov 25th architecture review meeting, we were to review a [SSH Key Usage Policy](https://wiki.io.comcast.net/display/CEMP/SSH+Key+Usage+Policy) that has been drafted for the EM&M organization build and deployment automation tasks.  This didn't occur since it was stated that the MagNETO system has access to all deployed to environments that EM&M systems reside on.  Based on this, it is likely that EM&M will not need the SSH Key Usage Policy for build and deployment automation.

MagNETO System will be the Puppet Master Server for EM&M deployments

* Accurate time setting for Puppet agent system coordination.
* Accurate, promoted DNS for Puppet master.
* Production-Ready Web Server.
* Multiple masters, Load Balancing and CA service Routing handled.
* Provides Puppet Agent Service

It is not entirely clear how deployments will occur across environments (Dev, QA, Integration, Stage, Production), data center sites, and Network zone boundaries.  I am currently reviewing the MagNETO system to see how EM&M deployments might be managed here.

In the meantime, keep track of servers to be deployed to for your project by environment, (Dev, QA, Prod, etc) and the users that will do these deployments.  They will not be NTLogons and they will likely use ssh tunneling for deployment scripting via puppet.   At a minimum, this information will be needed by the puppet system.  My best recommendations for this current point in time in regards to “git” and deployment automation respectively are as follows:

* [EM&M Git Users Guide](https://wiki.io.comcast.net/pages/viewpage.action?pageId=227392710)
  + [Build and Configure SSH key Usage](https://wiki.io.comcast.net/pages/viewpage.action?pageId=227392710#EM%26MGitUsersGuide-BuildandConfigureSSHkeyUsage) section
  + [CHANGELOG](https://wiki.io.comcast.net/pages/viewpage.action?pageId=227392710#EM%26MGitUsersGuide-CHANGELOG) section
  + [First “git push” to The EM&M Git System](https://wiki.io.comcast.net/pages/viewpage.action?pageId=227392710#EM%26MGitUsersGuide-First%22gitpush%22toTheEM%26MGitSystem) section
* [SSH Key Usage Policy](https://wiki.io.comcast.net/display/CEMP/SSH+Key+Usage+Policy)

Puppet Study

[**https://docs.puppetlabs.com/puppet\_core\_types\_cheatsheet.pdf**](https://docs.puppetlabs.com/puppet_core_types_cheatsheet.pdf)

## Type Reference

* [augeas](https://docs.puppetlabs.com/references/latest/type.html#augeas)
* [computer](https://docs.puppetlabs.com/references/latest/type.html#computer)
* [cron](https://docs.puppetlabs.com/references/latest/type.html#cron)
* [exec](https://docs.puppetlabs.com/references/latest/type.html#exec)
* [file](https://docs.puppetlabs.com/references/latest/type.html#file)
* [filebucket](https://docs.puppetlabs.com/references/latest/type.html#filebucket)
* [group](https://docs.puppetlabs.com/references/latest/type.html#group)
* [host](https://docs.puppetlabs.com/references/latest/type.html#host)
* [interface](https://docs.puppetlabs.com/references/latest/type.html#interface)
* [k5login](https://docs.puppetlabs.com/references/latest/type.html#k5login)
* [macauthorization](https://docs.puppetlabs.com/references/latest/type.html#macauthorization)
* [mailalias](https://docs.puppetlabs.com/references/latest/type.html#mailalias)
* [maillist](https://docs.puppetlabs.com/references/latest/type.html#maillist)
* [mcx](https://docs.puppetlabs.com/references/latest/type.html#mcx)
* [mount](https://docs.puppetlabs.com/references/latest/type.html#mount)
* [nagios\_command](https://docs.puppetlabs.com/references/latest/type.html#nagioscommand)
* [nagios\_contact](https://docs.puppetlabs.com/references/latest/type.html#nagioscontact)
* [nagios\_contactgroup](https://docs.puppetlabs.com/references/latest/type.html#nagioscontactgroup)
* [nagios\_host](https://docs.puppetlabs.com/references/latest/type.html#nagioshost)
* [nagios\_hostdependency](https://docs.puppetlabs.com/references/latest/type.html#nagioshostdependency)
* [nagios\_hostescalation](https://docs.puppetlabs.com/references/latest/type.html#nagioshostescalation)
* [nagios\_hostextinfo](https://docs.puppetlabs.com/references/latest/type.html#nagioshostextinfo)
* [nagios\_hostgroup](https://docs.puppetlabs.com/references/latest/type.html#nagioshostgroup)
* [nagios\_service](https://docs.puppetlabs.com/references/latest/type.html#nagiosservice)
* [nagios\_servicedependency](https://docs.puppetlabs.com/references/latest/type.html#nagiosservicedependency)
* [nagios\_serviceescalation](https://docs.puppetlabs.com/references/latest/type.html#nagiosserviceescalation)
* [nagios\_serviceextinfo](https://docs.puppetlabs.com/references/latest/type.html#nagiosserviceextinfo)
* [nagios\_servicegroup](https://docs.puppetlabs.com/references/latest/type.html#nagiosservicegroup)
* [nagios\_timeperiod](https://docs.puppetlabs.com/references/latest/type.html#nagiostimeperiod)
* [notify](https://docs.puppetlabs.com/references/latest/type.html#notify)
* [package](https://docs.puppetlabs.com/references/latest/type.html#package)
* [resources](https://docs.puppetlabs.com/references/latest/type.html#resources)
* [router](https://docs.puppetlabs.com/references/latest/type.html#router)
* [schedule](https://docs.puppetlabs.com/references/latest/type.html#schedule)
* [scheduled\_task](https://docs.puppetlabs.com/references/latest/type.html#scheduledtask)
* [selboolean](https://docs.puppetlabs.com/references/latest/type.html#selboolean)
* [selmodule](https://docs.puppetlabs.com/references/latest/type.html#selmodule)
* [service](https://docs.puppetlabs.com/references/latest/type.html#service)
* [ssh\_authorized\_key](https://docs.puppetlabs.com/references/latest/type.html#sshauthorizedkey)
* [sshkey](https://docs.puppetlabs.com/references/latest/type.html#sshkey)
* [stage](https://docs.puppetlabs.com/references/latest/type.html#stage)
* [tidy](https://docs.puppetlabs.com/references/latest/type.html#tidy)
* [user](https://docs.puppetlabs.com/references/latest/type.html#user)
* [vlan](https://docs.puppetlabs.com/references/latest/type.html#vlan)
* [yumrepo](https://docs.puppetlabs.com/references/latest/type.html#yumrepo)
* [zfs](https://docs.puppetlabs.com/references/latest/type.html#zfs)
* [zone](https://docs.puppetlabs.com/references/latest/type.html#zone)
* [zpool](https://docs.puppetlabs.com/references/latest/type.html#zpool)

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