Puppet Project

Modules to configure:

* Jenkins
* Jira
* Nexus
* Zabbix
* TomCat
* Postfix
* UrbanCode Deploy
* Puppet Enterprise

Modules Dependencies Matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Java (Latest)** | **Java 7** | **Maven** | **MySQL** | **RHEL 7** | **PostFix** |
| **Jenkins** |  | X | X |  |  | O |
| **Maven** | X |  | - |  |  |  |
| **Jira** | X |  |  | X |  | O |
| **Nexus** | X |  |  |  |  | O |
| **Zabbix (needs LAMP)** |  |  |  | X |  | O |
| **TomCat** | X |  |  |  |  | O |
| **Postfix** |  |  |  |  |  | - |
| **UrbanCode Deploy** |  |  |  |  | X | O |
| **Puppet Enterprise** |  |  |  |  |  |  |

**Key**: X = Mandatory O = Optional - = Not Applicable  
**N.B.** Everything else will be running Ubuntu Server 16.04 LTS.

Base Images

* Ubuntu 16.04
* RHEL 7 (Required by UrbanCode to support all functionality)

docker pull registry.access.redhat.com/rhel7

Dependency derived base images

* Ubuntu16.04 + Java (Latest 1.8.0\_112)

Standalone Containers

|  |  |  |
| --- | --- | --- |
|  | **Ports Required/Exposed** | **Ports Assigned (Docker)** |
| **MySQL (Standalone Container)** | 3306 | 3306 |
| **Jenkins (JDK 7)** | 8080 | 8080 |
| **Jira** | 8082; 8007 | 8082; 8007 |
| **Nexus** | 8081 | 8081 |
| **Zabbix** | 80; 10051 | 8083; 10051 |
| **TomCat** | 8080; 443 | 80; 443 |
| **Postfix** | 25; 110; 143; 465; 587; 993; 995 | 25; 110; 143; 465; 587; 993; 995 |
| **UrbanCode Deploy** | 7918; 8080; 8443 | 7918; 8083; 8443 |
| **Puppet Enterprise** |  |  |