Artifactory, Nexus and Pulp

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\<podvody@redhat.com\>

Ecosystem support

- Artifactory
  - Maven
  - Ruby
  - npm
  - Python
  - Docker
  - Vagrant
  - RPM
  - Others...
- Nexus
  - Maven
  - Ruby*
  - npm
  - RPM
  - Docker*
- Pulp
  - RPM
  - Python
  - Docker
  - npm

Extra Metadata

- Artifactory
  - Slightly different support for each ecosystem
  - In common: MD5, SHA1 Checksums, License (enforcable for Maven)
    - SHA256 Checksum is computed lazily
  - Extendable via properties and property sets
- Nexus
  - MD5, SHA1 Checksums, License
  - Repository health check as a Service (Maven)
    - Vulnerability check
    - License check across repositories
    - Binary Firewall (will be announced today)
  - Metadata can be added via REST APIs or plugins (Maven)

Access and Visibility

- Artifactory
  - Single or multiple omnipotent administrators
  - Repository access and visibility via Access Control Lists
    - Read, Write, Annotate, Deploy/Cache, Delete/Overwrite, Manage
    - Can be set on a per-user or per-group basis
  - Easy to understand and setup
- Nexus
  - Roles Based Access Control
  - Admins can have different roles and see different UI views
  - Repository access and visibility with the same granularity as above
  - No notion of user groups
  - Gets quickly complicated, but is more powerful

Integration

- Artifactory
  - Jenkins Builds & Monitoring for Maven
  - Black Duck License Checker for Maven
  - LDAP
  - SAML/SSO
  - Kerberos
  - Atlassian Crowd
  - *Custom plugins*
- Nexus
  - LDAP
  - Atlassian Crowd
  - Build Service & Monitoring for Maven
  - License Checking for Maven
  - *Custom plugins*

Other Highlights

- Artifactory
  - GitHub & Bitbucket Repository Support
    - Golang?
  - Zero-downtime upgrades for HA Setup
  - AQL For Querying
- Nexus
  - Staging repositories (Maven)
  - Procured repositories (Maven)
  - Nexus 3.0 drops Ruby support
    - And adds Docker V1 + V2 Registry
- Pulp
  - The only Open Source solution