**Active directory-Kerberos implementation**

**in Hortonworks HDP**

**Pre-requisite:**

* Ambari Server host and cluster hosts have network access to, and be able to resolve the DNS names of, the Domain Controllers (Active directory server)
  + Microsoft Active Directory 2008 and above
* Active directory secure LDAP (LDAPS) connectivity has been configured
* Active directory User container (Organizational unit) for principals has been created and is on-hand
  + Example: OU=Hadoop, dc=example, dc=com
* Active directory administrative credentials with delegation control of “create, delete and manage users account” on the previously mention User container are on-hand
* The admin user will be required for Hadoop system integration with active directory
* This credential will be used for system to system communication only not by any one
* The Java Cryptography Extensions (JCE) have been setup on the Ambari Server host and all hosts in the cluster

**Questions:**

* Is internet connectivity available on Hadoop servers?
* Any third-party tool is integrated with Hadoop cluster or only Hadoop services are being used which are available in Ambari dashboard?
* OS user’s authentication/integration with active directory is configured?
  + Active directory users can login into Linux machines