**BMC Validation SOP**

**LDAP Server Build**

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Revision 0.0.1

April 27, 2017

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LDAP Server Build

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**Revision History**

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| **Revision** | **Description** | **Data** | **Author** |
| 0.0.1 | First Release | April 27,2017 | Eddie Kao |
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**LDAP Server Build(Cent OS 6.7)**

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| Step1. Install Openldap | |
|  | Execute command: yum install -y openldap-servers openldap-clients openldap-devel |
| Step2. Copy config to corresponding catalog | |
|  | Execute command:   1. cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG 2. cp /usr/share/openldap-servers/slapd.conf.obsolete /etc/openldap/slapd.conf |

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| Step3. Generate a LDAP root password | |
|  | 1. Execute command:slappasswd 2. Enter new password 3. Record the {SSHA} password,we will use it in slapd.conf   ex.{SSHA} UtMBTNpmr8QuRHyDBEQEBljDWwet3iv9 |
| Step4. Modify slapd.conf(There are some parts where I mark need to be modified.) | |
|  | Execute command :vi /etc/openldap/slapd.conf |
|  | 1. Press [i] to edit the content 2. Add loglevel 256   logfile /var/log/slapd/ldap.log |
|  | Edit the content as picture on the left |
|  | Edit the content as picture on the left  ※The rootpw is your LDAP root password |
|  | Press [Esc] then key [:wq] to write change and quit |

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| Step5. Modify rsyslof.conf | | |
|  | Execute command:vi /etc/rsyslog.conf | |
|  | 1. Add this command in the last:local4.\* /var/log/slapd 2. Press [Esc] then key [:wq] to write change and quit | |
| Step6. Add base.ldif and modify base.ldif | | |
|  | | 1. Execute command:cd /etc/openldap/ 2. Execute command: mkdir ldif 3. Execute command: cd ldif   Execute command: vi base.ldif |
|  | | ※My example as picture on the left  After your editing is finish,press [Esc] then key [:wq] to write change and quit |

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| Step7. Delete exist data then put new date into file | | |
|  | Execute command:   1. rm -rf /var/lib/ldap/\* 2. cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG 3. rm -rf /etc/openldap/slapd.d/\* 4. slapadd -v -l /etc/openldap/ldif/base.ldif | |
| Step8. Make new LDAP database into the directory of slapd.d and change ownership | | |
|  | | Execute command:  slaptest -f /etc/openldap/slapd.conf -F /etc/openldap/slapd.d |

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| Step9. Change Authority | | |
|  | Execute command:   1. chown -R ldap:ldap /var/lib/ldap 2. chown -R ldap:ldap /etc/openldap/slapd.d | |
| Step10. Set to start automatically when Server boot | | |
|  | | Execute command:   1. service slapd start 2. chkconfig --list slapd   chkconfig --level 345 slapd on |

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| Step11. Confirm the data is imported or not | |
|  | Execute command:  ldapsearch -x -b "dc=asrrfw,dc=com" |
| Step12. Disable firewall |  |
|  | [System]🡪[Administration]🡪[Firewall]🡪[Disable]🡪[Apply] |

**Note: If you need to re-import,please clear all the old data**

**Step as following:**

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| 1. service slapd stop 2. rm -rf /var/lib/ldap/\* 3. cp /usr/share/openldap-servers/DB\_CONFIG.example /var/lib/ldap/DB\_CONFIG 4. rm -rf /etc/openldap/slapd.d/\* 5. slapadd -v -l /etc/openldap/ldif/base.ldif 6. slaptest -f /etc/openldap/slapd.conf -F /etc/openldap/slapd.d 7. chown -R ldap:ldap /etc/openldap/slapd.d 8. chown -R ldap:ldap /var/lib/ldap 9. service slapd start |

Connect To LDAP Server In Windows Client

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| Step1. Install Ldapadmin | |
| Step2. Connect to LDAP server | |
|  | 1. Click connect 2. Double click new connection |
|  | 1. Enter server IP 2. Uncheck Anonymous connection,then enter root username and password |
| Step3. The connection is successful | |
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