

# **RFP for Directory Services for Windows and Linux Endpoints and Servers**

RFP Ref : LIC/CO/IT-BPR/DS/2019-20 Dated 15.06.2019

## **ANNEXURE V - FUNCTIONAL AND TECHNICAL REQUIREMENTS**

**(In case bidder's response to any of the questions given below in Annexure V is "No", the bidder will be treated as disqualified for the bid )**

### **Technical Requirements**

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux
<b>A</b>	<b>General Requirements</b>			
1	The proposed directory services solution software quoted should be commercially available software. Provide name and version of proposed solution			
2	The proposed directory services solution architecture should be Centralised and the delivery method should be On-premise (CAPEX model) Give details of solution proposed			
3	The proposed solution should be actively supported by enhancements/bug fixes by the OEM. There should be future roadmap of the solution for next 6 years and should not include any individual components running on Beta version.			
4	The proposed Directory service solution architecture should provide high availability and load Balancing and Disaster Recovery capability.			
<b>B</b>	<b>AUTHENTICATION</b>			
1	The proposed Directory service solution should authenticate users only from authorised user database.			
2	The proposed Directory Services solution should have Authentication Status Notification to users, specifying success or failure.			
3	The proposed Directory service solution should support Standard authentication protocols - Kerberos, SSL (Secured Socket Layer), etc. E.g. Establish an SSL channel for encryption and then use Kerberos for authentication.			
4	The proposed Directory service solution should support Simple authentication and Security layer (SASL).			
5	The proposed directory service solution should support LDAP and DNS.			

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux
<b>C</b>	<b>SYSTEM ADMINISTRATION &amp; MAINTENANCE FEATURES</b>			
1	Should be capable of administration through a single window interface to provide server level control and configuration of the authentication system for all servers  including: · Create/ rename/ delete user accounts · Set/ reset user passwords · List all users in the authentication system  · Search for a user and modification of user object attributes · Enable / disable user accounts · Change delegated administration passwords  · Create/ allow/ delete user level permissions to access devices, drives, etc.			
2	The proposed Solution should allow Admin to create and delete specific distribution groups, as well as manage memberships and ownership.			
3	The proposed solution should have the ability to enforce account lockout policy.			
4	The users should be able to change their passwords			
5	The proposed solution should have the ability to enforce password policy.			
6	The proposed solution should maintain password history.			
7	The proposed solution should have the ability to lock out the screen if the system remains idle for a specified time.			
8	The proposed solution should have the ability to import users from an existing database of user record/ details.			
9	The proposed solution administration client should provide ability to rename a user. With the option to set the old user id as an alias for the new renamed user, so that there is a transition time while the contacts of the old user id get acquainted with the new user id.			
<b>D</b>	<b>Enterprise Directory Software</b>			

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux
1	The directory service should support features like ability to keep replicas in sync and to enforce replication updates for health monitoring and verifying replication.			
2	Containers for purposes of grouping, administration and policy control			

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux
3	Search capability to query all directory objects.			
4	Should support recovery of a single object as well as the entire directory.			
5	Loss of a single directory server should not affect ability for users to logon.			
6	Should support the group membership management within a group that can be delegated to any nominated user.			
<b>E</b>	<b>Disaster Recovery Setup</b>			
1	The proposed solution should offer near zero RPO and 2 hours RTO if primary site goes down.			
2	Disaster Trial: Vendor shall conduct disaster trial for one day at the completion of six months of operation, wherein the primary site has to be deactivated and complete operations shall be carried out from disaster recovery site. Vendor shall plan all the activities to be carried out during the Disaster trial and issue a notice to the company at least two weeks before such trial			

Bidders to submit documentary evidence in support of their responses to above specifications.  
The solution document should include detailed disaster recovery plan.

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux

**Functional Requirements**

<b>1</b>	<b>Primary Objectives of the Directory Solution</b>			
1.1	The Architecture proposed should be centralized and the delivery method on-premises			
1.2	The solution proposed should be high performing			
1.3	The solution proposed should be "highly available"			
1.4	The solution proposed should be scalable (upto 2,00,000 users)			
1.5	The solution proposed should have redundancies			
1.6	The solution proposed should have "no single point of failure?"			
1.7	Easy back up and retrieval mechanisms should be built in to the solution proposed?			
1.8	<u>BCP Features</u> : The proposed solution should support DR Replication			
1.9	The bidder should be willing to provide Annual Maintenance Contract after the expiry of Warranty			
1.10	The bidder should follow Information Security Best Practices/ LIC Information Security policies			
1.11	The Bidder should be able to meet all statutory or regulatory requirements as mandated by authorities from time to time like IRDAI Cyber security guidelines			
1.12	Un-priced Bill of Materials for Hardware and Software should be enclosed			
<b>2</b>	<b>Bandwidth and Other Details</b>			
2.1	Bandwidth requirement should be submitted			
2.2	Detailed architecture diagram should be attached?			

		Whether Complied	Give Details wherever required	
		(Yes/No)	For Windows	For Linux
2.3	<p>Infrastructure Design Documents should be submitted including:</p> <ul style="list-style-type: none"> <li>• Architecture</li> <li>• Physical design</li> <li>• Logical design as per OEM's implementation recommendation.</li> <li>• Methodology</li> <li>• Servers &amp; their roles as per OEMs recommendation</li> <li>• High Availability, Redundancy, Expandability</li> <li>• DR Implementation Strategy</li> <li>• Storage organization and utilization as per OEMs recommendations</li> <li>• Implementation and project plan up to the stage of Go-Live</li> <li>• User authentication data migration strategy from existing Solution</li> <li>• Any other as per the design suggested.</li> </ul>			

For and on behalf of: \_\_\_\_\_ (Bidder)

Authorized Signatory

Name:

Designation:

Office Seal:

Place:

Date: