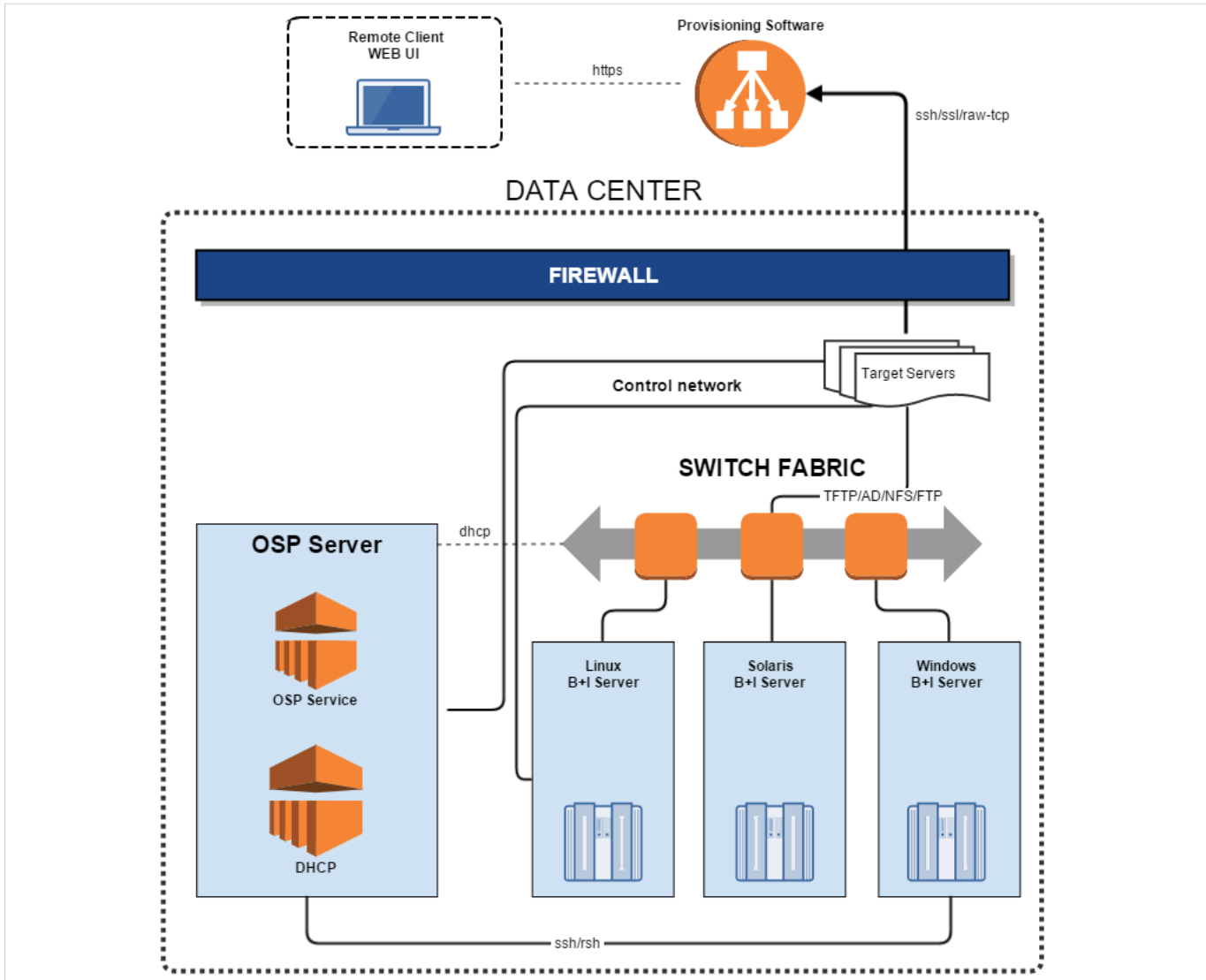


# [DCP-1] As a system admin, I need a framework for provisioning system software architecture

Created: 11/Aug/16 11:55 AM - Updated: 12/Aug/16 10:12 AM

<b>Status:</b>	In Progress
<b>Project:</b>	Data Center Provisioning
<b>Component/s:</b>	control-network, dhcp, firewall, switch-fabric
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	None

<b>Type:</b>	Story	<b>Priority:</b>	Medium
<b>Reporter:</b>	Levente Szabo	<b>Assignee:</b>	Robert Mongose
<b>Resolution:</b>	Unresolved	<b>Votes:</b>	0
<b>Labels:</b>	provisioning, software-architecture		



Software provisioning diagram.glify (118 kB)

A framework needed to provision different operating systems onto heterogeneous target hosts that are supporting different protocols.

We are using the following network protocols:

- DHCP – DHCP is used for allocating IP addresses and boot metadata between the OS provisioning server and the target hosts through a switch fabric.
- Network management protocols – Protocols and terminal server, are used through a Control Network from the OS provisioning server to the target hosts.
- TFTP, Active Directory, NFS, and FTP protocols – The boot and install servers use the appropriate protocols to communicate and to install the OS onto the target hosts.