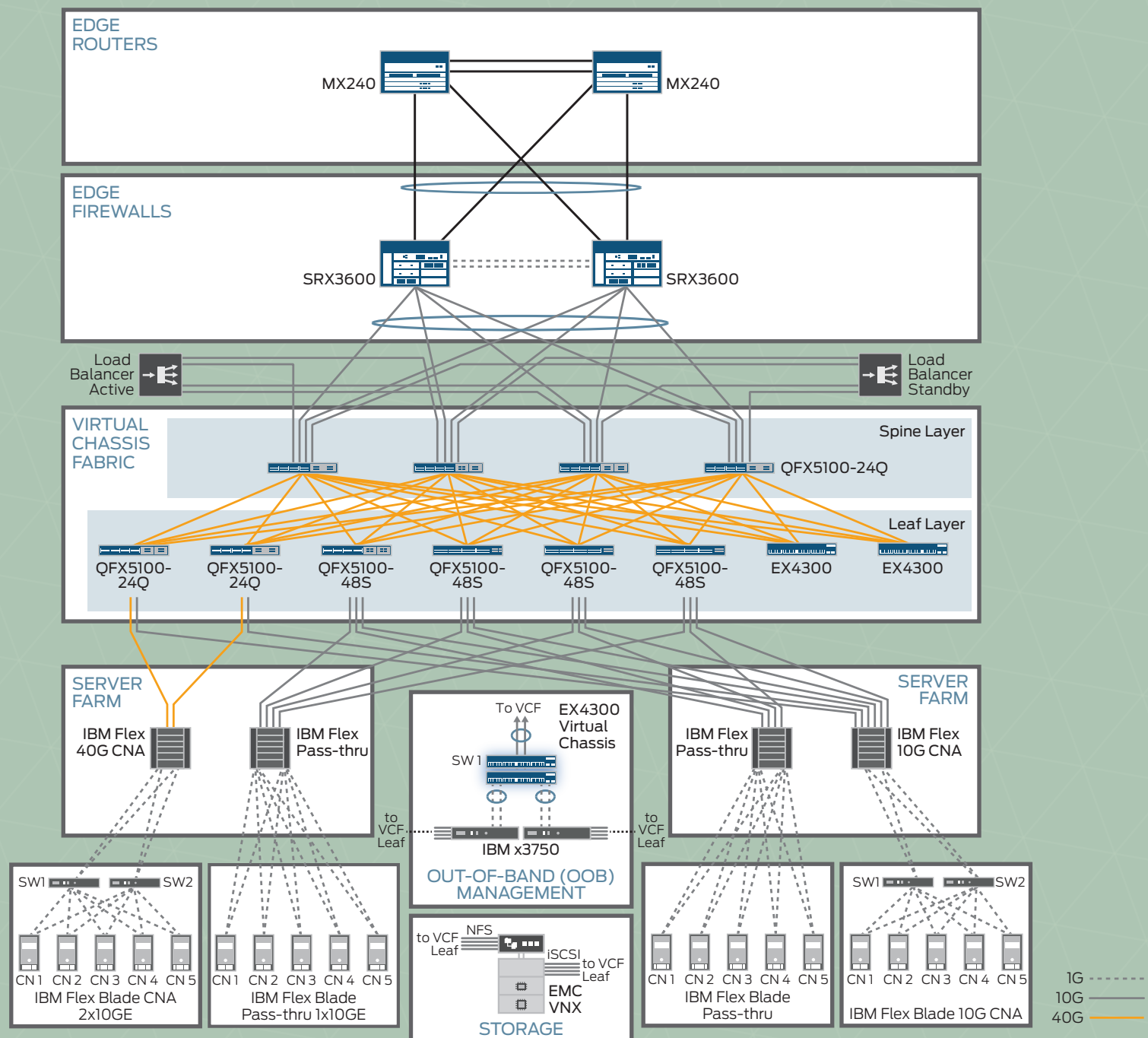


MetaFabric™ Architectures

1.1 – Virtualized IT Data Center with Orchestration

Connect any physical network to any virtual network with any orchestration software



Provision Devices Into a Virtual Chassis Fabric

Network Director 1.6 enables you to autoprovision a Virtual Chassis Fabric (VCF). If you configure the serial number and role for each spine layer device, you can connect factory-default leaf devices to the spine devices and have these leaf devices automatically join the VCF. Autoprovisioning enables you to get your VCF up and running so you can offer new services to your customers more rapidly.

Configure Orchestration For a Virtual Chassis Fabric

Network Director 1.6 enables you to dynamically change the configuration of a VCF as virtual machines (VMs) migrate to new servers. Orchestration tracks VM movement automatically and updates the configuration to reflect the new location. The result is real-time configuration management that adapts VCF devices to network conditions and configures the correct VLANs on the applicable ports so that VM and application traffic can continue flowing to end users without administrator intervention.

What's Different in MetaFabric Architecture 1.1?

Virtual Chassis Fabric—The VCF replaces the QFabric systems and the EX9200 core switches found in the original MetaFabric Architecture 1.0 solution, and provides a smaller scale network option for medium-sized data centers.

Network Director 1.6—This version of the popular network management tool enables you to autoprovision a VCF and perform orchestration services that allow seamless VM movement and sustained application performance.

The architecture remains the same as in MetaFabric 1.0 for the compute, storage, business-critical applications, high availability, class of service, security, and network management components.

Get the MetaFabric Architecture 1.1 Network Configuration Example (NCE)



www.juniper.net/documentation

MetaFabric Architecture 1.1 provides the proper foundation for a virtualized environment that supports virtual machine movement (VMware), robust application hosting (IBM), load balancing (F5), storage (EMC), and security (Firefly Host and SRX3600 devices). However, this evolved architecture now introduces a Virtual Chassis Fabric (VCF) as a next-generation fabric technology and Network Director 1.6 for orchestration and dynamic configuration.

A mixed-mode VCF replaces the EX9200 core switches and QFabric systems seen in the original MetaFabric Architecture 1.0 solution. As a result, the VCF connects directly to servers, storage, and load balancers on the access side (also known as *the leaf layer* in a VCF), and SRX security devices on the core network side (also known as *the spine layer* in a VCF).

DAY ONE POSTER

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