

## Catalyst 6500 Migration to Nexus 7000

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Knowledge transfer for defined success.



Firefly Mentored Services focus on the two most important engineering areas of change: deployment and migration. Each deployment is a focused, hands-on personal coaching session that takes the product from the box to implementation and everything in between. Along the way, your customer will be formally educated, mentored and share in our successful deployment. Best of all, all of the stuff you already know, you are free to do yourself!

Firefly Mentored Migration is a complete solution lifecycle where we not only assist the end-user to install the product, but we show them best way to migrate from existing technology to the new stuff. Your customer and team is coached by our field-tested engineers first-hand how the product delivers everything that was promised in the sales cycle and becomes not only an advocate of your product, but an educated user.

Our mentored services de-risk your deal by providing the ultimate client satisfaction. Our experience in providing this service allows us to get you a quote in a matter of minutes, instead of weeks, to effectively customize your coaching into the specific knowledge gaps.

From start to finish, our mentored services provide a proof-of-concept validation that ensures that your product is being utilized to its full potential. You gain a satisfied customer with lifetime skill sets while realizing an accelerated ROI by enhancing your sustainable vertical growth. If we ride together, we can take the high speed lane!

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# Catalyst 6500 Migration to Nexus 7000

**A Catalyst 6500 configuration conversion to a Nexus 7000, will include the following:**

## Initial Requirements

- A scoping call prior to the scheduling of any event to determine whether the work performed falls within the standard offering or requires additional services.
- Each physical 6500 configuration will count as a single conversion, whether it is replaced by a Nexus 7000 or a VDC within the Nexus 7000.
- All hardware will be assembled and racked prior to engagement.
- Pricing will be based on two standard service conversions per day. Any additional service pricing, if required will be determined.

## Standard Services Configuration

### NX-OS:

- Version Upgrade to Current Revision if required
- EPLD Version upgrade if required
- Management Interface Configuration
- CMP Configuration

### Layer 2 features:

- VLANs
- Private VLANs
- Trunking
- Port-Channels
- VPC
- Spanning-Tree configuration
- Spanning-Tree Enhancements
  - Portfast
  - BPDU Guard
  - Root Guard
  - Loop Guard
- UDLD
- IGMP

### Layer 3 features:

- IP Configuration
- IGP Routing Protocols
  - 2 dynamic routing protocols
- OSPF, EIGRP, ISIS, RIP
- Authentication
- Route Summarization
- OSPF Special Areas
  - o Static
  - o IGP-IGP Redistribution
- Route Filtering
- Administrative Distance
- BGP
  - Advertise routes into BGP Table using IGP origination
  - Default route acceptance only (Prefix –list filter)
  - Basic IBGP/EBGP Peering (no filters)
- FHRP
  - HSRP, VRRP, GLBP
- Object Tracking
- Timers
- Authentication

**Security Features:**

- Access-lists
- VACLs
- Port Security
- User Accounts (Network-Admin, Network-Operator roles only)
- CoPP predefined policy (configured from initial setup script)

**Additional Service Configurations -**

All other features requirements will be reviewed prior to the conversion and estimates will be provided. These features include but are not limited to:

- QOS
- BGP Policy
  - Prefix-lists
  - Route-maps
  - AS-Path Filters
  - Confederations
- Policy Base Routing
- Multicast
- Advanced Security Features
  - Traffic Integrity
  - CoPP modifications from default options
  - Admission Control
- SNMP Management
- VRF Configuration
- AAA
- OTV
- DCNM
- Best Practice Evaluation

**Note** Customer will need provide a current as well as future network diagram, identify IP addressing scheme used along with and non standard IP protocols used by custom application.