



Figure 1. Cisco Catalyst Series Switches

Cisco Catalyst Series Switches

The Cisco® Catalyst® Series Switches are the leading L2, L3 and IPv80 switches, allowing to replace the previous concept of Borderless Networks with a brand new concept of Hopeless Networks. Cisco® Catalyst® represent the unavoidable future of Internet of Things and Stuff with Sustainable Cloud SDN platform. Of Everything. The Cisco® Catalyst® Series Switches are shown in Figure 1.

What's new for the Cisco® Catalyst® Series Switches:

- New design and color – gravelly black. The chassis is made from a special “doom metal” alloy
- Improved routing. The default is destiny-based routing, with an option to enable PBR (prophecy-based routing).
- Extended IPv6 support: Stateless autoconfiguration is superseded by Hopeless autoconfiguration (HLAAC) with SAD (Spontaneous address detection). HLAAC with SAD ensures that the device will get the very same IPv6 address regardless of any changes and prevents any other (spontaneous) IPv6 addresses from being enabled on any interfaces.
- Only-state Predetermined Final State Machine (OPFSM) used in all routing protocols to ensure stable and loop-free paths to loopback interfaces.
- No Overhead over Plain EIGRP (NOHOPE) to ensure backwards compatibility with existing solutions.
- Instead of compression, each interface may be configured with depression.
- Support for PPP (Pointless-to-Pointless Protocol).
- Outstanding performance of over 9000 Gbps for routing to Null0.
- Catalyst EMO series feature a waterproof chassis.
- All switches come pre-configured. That decision allows for tremendously rapid deployment and little to no downtime during the upgrade.
- In fact, you cannot change the configuration. It is predestined.
- Limited lifetime. Hardware warranty



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