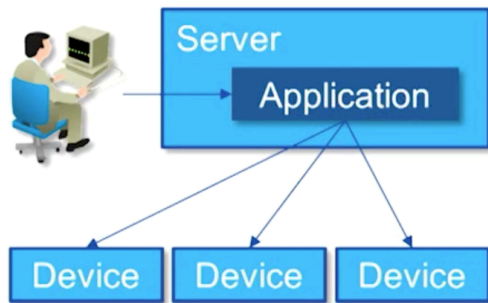
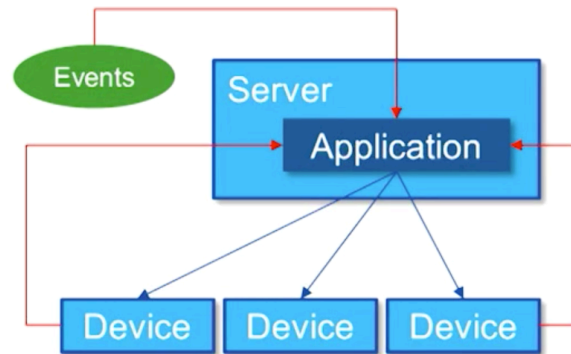


Proactive versus Reactive Applications



Proactive

- Intermittent changes
- Automated configuration at scale

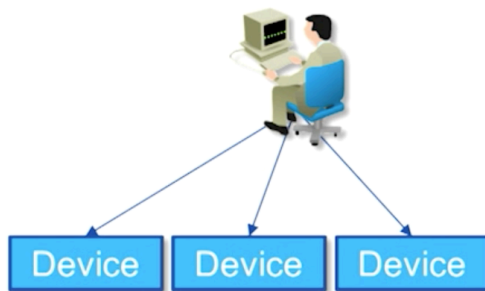


Reactive

- Frequent and dynamic changes
- Responding to network events

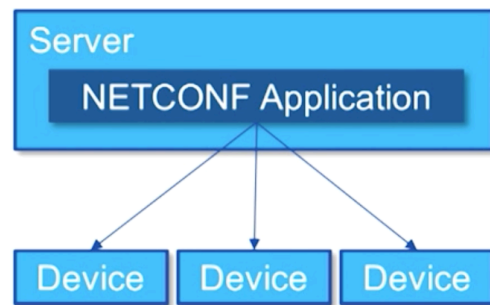
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CLI versus NETCONF Applications



CLI Applications

- Support all devices
- Made for humans

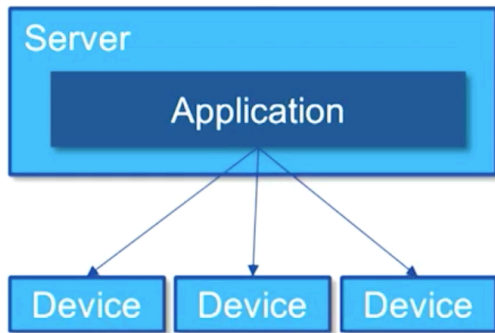


NETCONF Applications

- Supports many devices
- Made for applications

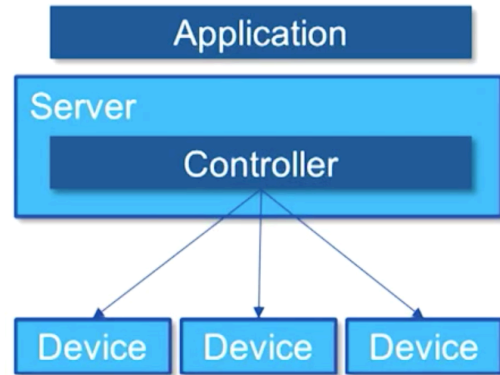
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Standalone versus Controller-based Applications



Standalone Applications

- Application performs discovery, topology, device communication



Controller-based Applications

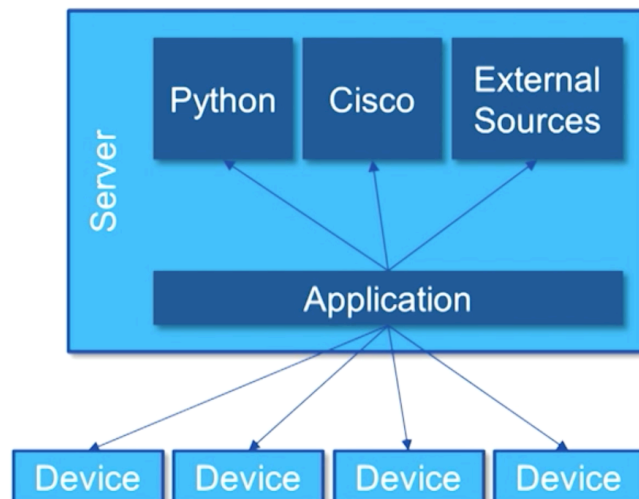
- Controller performs discovery, topology, device communication, abstraction

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External Support Libraries

Python code from other sources

- Python
- Cisco (DevNet, Learning Labs)
- External Sources
 - Device communication
 - Data formats
 - Printing



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