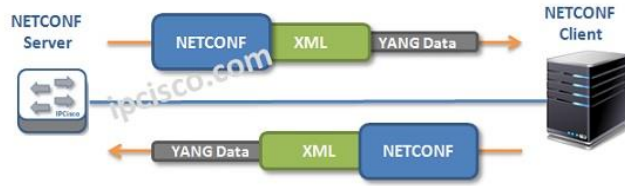
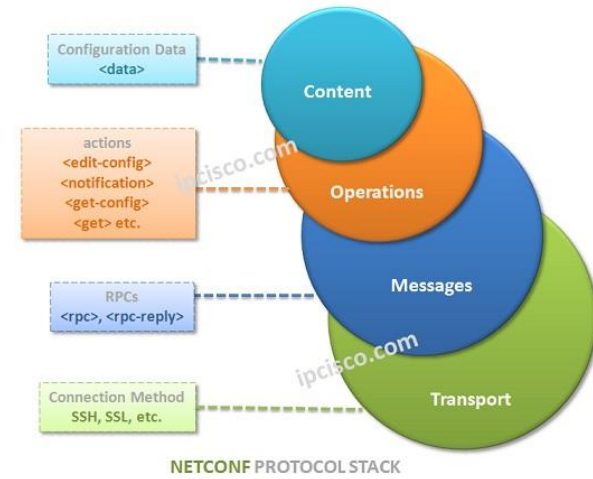


NETCONF Cheat Sheet

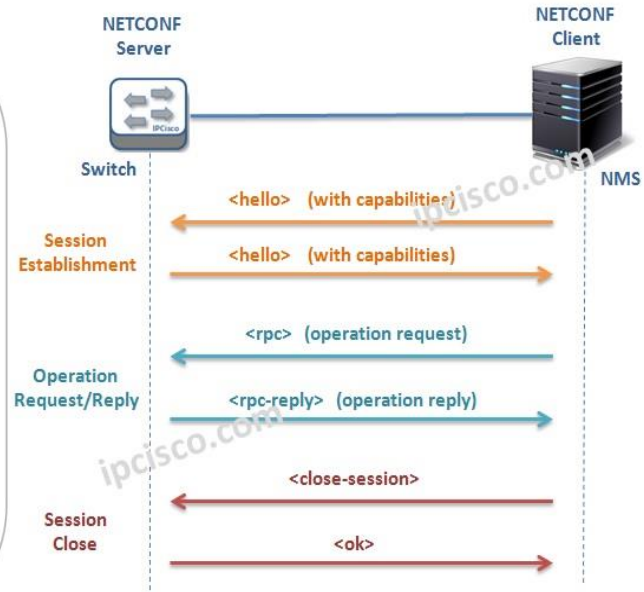
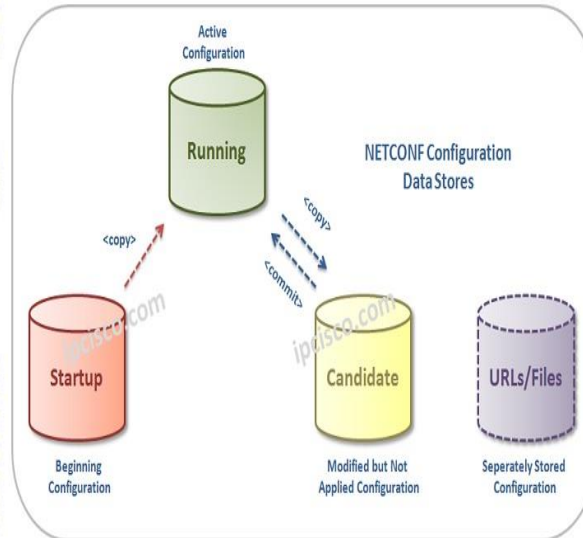
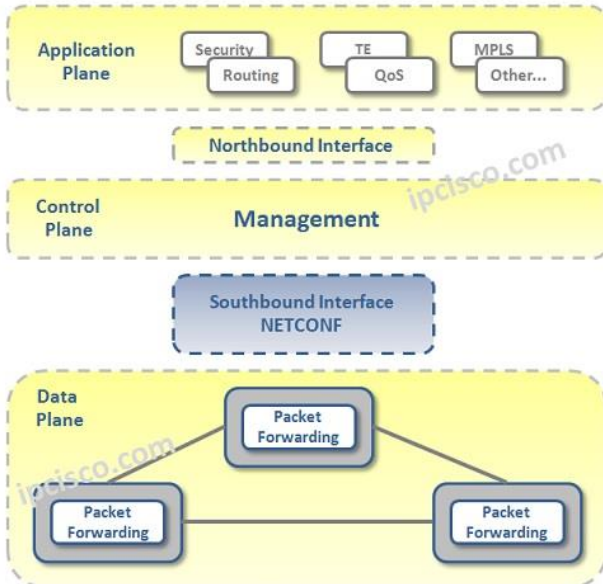
Network Configuration Protocol (NETCONF)	
•	Standard based IETF Protocol
•	Provide configuration modification
•	NETCONF Architecture is consist of two main elements as client and server.
•	NETCONF uses RPC (Remote Procedure Calls)



	NETCONF	SNMP
Data Models	Modules	MIBs
Modeling Language	YANG	SMI
RPC Protocol	XML	BER
Transport	SSH, BEEP, SOAP, TLS	UDP



NETCONF in SDN



NETCONF Cheat Sheet



	NETCONF	RESTCONF	gRPC
Developed By	IETF	IETF	Open Source
Designed For	Web Applications	Network Programmability	Client/Server Communication
... Oriented	Session Oriented	Session and Connection Oriented	Session Oriented
Runs Over	HTTPS	SSH	HTTPS

NETCONF Operational Commands	
<get>	To get Running Configuration and the State Info.
<get-config>	To get all or a part of a configuration from a Configuration Data Store.
<edit-config>	To load all or a part of a Configuration to a Configuration Data Store.
<copy-config>	To replace all Configuration Data Store with another.
<delete-config>	To delete a Configuration Data Store.
<commit>	To copy Candidate Data Store to Running Data Store.
<cancel-commit>	To cancel confirmed commit.
<discard-changes>	To clear changes.
<lock>	To lock the configuration Data Store System.
<unlock>	To release the previously unlock configuration Data Store System.
<close-sessions>	To terminate NETCONF session gracefully.
<kill-sessions>	To terminate NETCONF session forcedly.