

**ACCIÓN FORMATIVA : CERTIFICACION
CCNP Módulo II**
HORAS LECTIVAS : 100 horas



OBJETIVOS DE LA ACCIÓN FORMATIVA

Que el alumno con la impartición de las clases teóricas y prácticas este preparado para rendir el Examen de certificación 642-813 SWITCH Exam Topics

CONTENIDOS

MÓDULO. Switch.

Implement VLAN based solution, given a network design and a set of requirements

- Determine network resources needed for implementing a VLAN based solution on a network
- Create a VLAN based implementation plan
- Create a VLAN based verification plan
- Configure switch-to-switch connectivity for the VLAN based solution
- Configure loop prevention for the VLAN based solution
- Configure Access Ports for the VLAN based solution
- erify the VLAN based solution was implemented properly using show and debug commands
- Document results of VLAN implementation and verification

Implement a Security Extension of a Layer 2 solution, given a network design and a set of requirements

- Determine network resources needed for implementing a Security solution
- Create a implementation plan for the Security solution
- Create a verification plan for the Security solution
- Configure port security features
- Configure general switch security features
- Configure private VLANs Configure VACL and PAACL

- Verify the Security based solution was implemented properly using show and debug commands
- Document results of Security implementation and verification

Implement Switch based Layer 3 services, given a network design and a set of requirements

- Determine network resources needed for implementing a Switch based Layer 3 solution
- Create an implementation plan for the Switch based Layer 3 solution
- Create a verification plan for the Switch based Layer 3 solution
- Configure routing interfaces Configure Layer 3 Security
- Verify the Switch based Layer 3 solution was implemented properly using show and debug commands
- Document results of Switch based Layer 3 implementation and verification

Prepare infrastructure to support advanced services

- Implement a Wireless Extension of a Layer 2 solution
- Implement a VoIP support solution
- Implement video support solution

Implement High Availability, given a network design and a set of requirements

- Determine network resources needed for implementing High Availability on a network
- Create a High Availability implementation plan
- Create a High Availability verification plan
- Implement first hop redundancy protocols
- Implement switch supervisor redundancy
- Verify High Availability solution was implemented properly using show and debug commands
- Document results of High Availability implementation and verification