



CCIE Security Version 5 Advanced Technologies Class



Access-Lists Object-Groups

What are ACL object-groups?

Are there any special considerations?

Object-Groups Overview

- ▶ Object-groups are used to group together similar objects
 - In order to scale the ACL configuration
- ▶ IOS supports only two type of object-groups
 - Network
 - Service
- ▶ Considerations
 - Only works for IPv4 extended ACL's
 - Object-group nesting is supported

Object-Groups Overview

- ▶ Network object-groups can match on both source/destination IP and can be defined by
 - Subnet
 - Host
 - Range
- ▶ Service object-groups can match on the layer 3 protocol or on the layer 4 destination port and can be defined by
 - Layer 3 protocol
 - Layer 4 protocol and destination port number

Object-Groups

▶ Implementation Steps

- Configure the object-groups
- Configure the ACL and reference the object-groups
- Apply the ACL
- Verify its functionality



Knowledge is Power!