CCIP BGP (642-661) Quick Learning Modules

The following Quick Learning Modules are focused on a specific lesson or topic from the current BGP curriculum. This content is only accessible by Registered Users. If you have not yet registered, you will be prompted to register, before proceeding to access this content. **Introducing BGP Confederations**] This QLM describes the function of confederations in a BGP environment. After completing this lesson, you should be able to: · Describe iBGP full-mesh requirements when using a transit AS. · Explain how to use BGP confederations to split an autonomous system into a series of smaller autonomous systems. · Describe autonomous system path propagation in BGP confederations. · Explain autonomous system path attribute processing in an autonomous system that contains BGP confederations. · Explain the properties of intraconfederation eBGP sessions. **Watch Now Introducing Route Reflectors**] Upon completing this lesson, you should be able to: · Describe the function of route reflectors in a BGP environment: · Explain the need for BGP route reflectors in BGP transit backbones · Explain how route reflectors modify traditional IBGP split-horizon rules · Explain the benefits of deploying redundant route reflectors · Explain how route reflector clusters prevent loops in the deployment of route reflectors in redundant configurations · Describe additional route reflector mechanisms designed to prevent routing loops **Watch Now Understanding BGP Path Attributes**] Upon completing this module, you should be able to do the following: · List BGP path attributes and the functionality of each attribute · Describe the concept of BGP path attributes · Explain the difference between mandatory and discretionary well-known BGP attributes · Explain the difference between nontransitive and transitive optional BGP attributes · Describe the functionality of the AS-path attribute · Describe the functionality of the next-hop attribute **Watch Now**