

How to Troubleshoot the BGP Protocol

This BGP Protocol troubleshooting training equips network admins with the skills to diagnose and resolve issues in Border Gateway Protocol (BGP) implementations. Learn the inner workings of BGP, how it establishes connections, and how to quickly identify and fix problems. Ideal for Cisco training managers, this course is perfect for onboarding new admins or as a Cisco reference resource.

[CBT Nuggets course material](#) →

WEEK 1

Break Through BGP Basics with Address Families 155 min.

Beginning with BGP	1
The Point of BGP	9
Setting Up BGP	21
eBGP vs iBGP	9
Next-Hop Self	7
The BGP Process	6
Update-Source Interface	11
Address Families	8
Summarizing BGP Basics	1

Solve BGP Scalability Issues

Overview	1
Introducing BGP's Scale Issues	1
The Multi-Hop Scenario	18
Route Reflectors: Rule 1	3
Examine Route Reflector Rule 1	11
Route Reflectors: Rule 2	2
Examine Route Reflector Rule 2	10
Route Reflectors: Rule 3	2
Examine Route Reflectors Rule 3	9
Exploring Confederations	5
Deploy and Trace a Confederation	20

WEEK 2

158 min.

Summarizing BGP Scaling Solutions	1
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Filter Routes in BGP

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Route Policies in BGP	1
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Prefix Lists	9
AS ACLs	14
Route Maps	14
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Understand the BGP Best Path Algorithm

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Introducing BGP's Decision Making Process	1
Weight	14
Local Preference	12
Originator and AIGP	10
AS Path	3
Origin Code and MED	12
eBGP vs iBGP	9
The Remaining Tiebreakers	5
Summarizing the BGP Best Path Algorithm	1

Troubleshoot Common BGP Issues

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Setting Up Scenario 2	1
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