

### **BGP Cheat Sheet Cheat Sheet**

by teenoko via cheatography.com/82009/cs/19961/

Next

Successfull State

Connect

OpenSent

OpenSent

OpenCo-

nfirm

Establ-

ished!

<b>BGP Operation</b>	
Phase 1 - TCP	Phase 2 - BGP
	Capbalities Exchange
Both BGP	After the TCP Session
routers attempt	is established - BGP
a TCP session	Speakers exchange
on port 179.	messages.

# Phase State Name TCP Idle(Start) TCP Connect TCP Active(If TCP fails)

**BGP** 

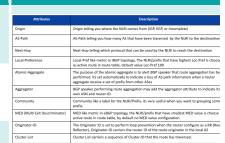
BGP

OpenSent

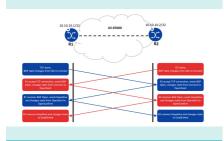
OpenCo-

nfirm

BGP Messages		
Open - Initial		
request for a BGP		
session		
Update - Exchange		



#### **Finite State Machine**



Notification -
Indicate an error

NLRI between

peers

## and closes session KeepAlive -

## Response to Open Messages & Maintains TCP session

## RouteRefresh Requests a BGP peer resend the routes it advertised at session establish-

4.5			
Δt	trı	ОΠ	tes
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tionary

**Attributes** 

Well-	Must be present in every
Known	BGP Update
Mandatory	
Well-	Recognized by all BGP
Known	implementations, but may
Discre-	or may not be present in

the Update message

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ement.

Connect	120
Retry	seconds
Hold	90
Time	seconds
Keep	30
Alive	seconds



By **teenoko** cheatography.com/teenoko/

P Router

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