

# ØªØ³ÙŠÙ† Ù†Ù◊Ù, ØªÙ,Ø³ÙŠÙ...

## AnyConnect Ù,, Microsoft Office 365/Webex

### Ø§Ù,,Ù...ØªÙ^ÙŠØ§Øª

[Ø§Ù,,Ù...Ù,Ø-Ù...Ø©](#)

[Ù...Ø¹Ù,,Ù^Ù...Ø§Øª Ø£Ø³Ø§Ø³ÙŠØ©](#)

[ØªÙ,Ø³ÙŠÙ... Ø§Ù,,Ø§ØªØ§Ø§Ù,, Ø§Ù,,Ù†Ù◊Ù,ÙŠ](#)

[Ø§Ù,,Ø§ØªØ§Ø§Ù,, Ø§Ù,,Ù†Ù◊Ù,ÙŠ ØªÙ,Ø³ÙŠÙ... Ø-ÙŠÙ†Ø§Ù...ÙŠÙ†ÙŠ](#)

[Ø§Ù,,ØªÙ†Ù^ÙŠÙ†](#)

[Ø§Ù,,ØªØÙ,,Ù,](#)

### Ø§Ù,,Ù...Ù,Ø-Ù...Ø©

ÙŠØµ◊ Ù†Ø°Ø§ Ø§Ù,,Ù...Ø³ØªÙ†Ø- Ù†ÙŠÙ◊ÙŠØ ØªÙ†Ù^ÙŠÙ† ASA Ø-Ø¥Ø¹Ø-Ø§Ø-Ø§Øª Ù,,Ø§Ø³ØªØ-Ø¹Ø§Ø-Ø±Ù†Ø© Ù...Ø±Ù^Ø± Ø§Ù,,Ø-ÙŠØ§Ù†Ø§Øª Ø§Ù,,Ù...Ù^Ø-Ù†Ø© Ø¥Ù,,Ù% Microsoft Office 365 (Microsoft Teams) Ù^ Cisco Webex Ù...Ù† Ø§ØªØµØ§Ù,, VPN.

### Ù...Ø¹Ù,,Ù^Ù...Ø§Øª Ø£Ø³Ø§Ø³ÙŠØ©

Ù†Ù...Ø§ ÙŠØªØ¶Ù...Ù† ØªÙ†Ù^ÙŠÙ† Ø-Ù†Ø§Ø² Ø§Ù,,Ø£Ù...Ø§Ù† Ø§Ù,,Ù,Ø§Ø-Ù,, Ù,,Ù,,ØªÙ†ÙŠÙ◊ (ASA) Ø§Ø³ØªØ-Ø¹Ø§Ø-Ø§Øª Ø¹Ù†Ù^Ø§Ù† Ø§Ù,,Ø'Ø-Ù†Ø© Ù^Ø§Ø³ØªØ«Ù†Ø§Ø;Ø§Øª Ø§Ù,,Ù...Ø³ØªÙ†Ø-Ø© Ø¥Ù,,Ù% Ø§Ø³Ù... Ø§Ù,,Ù...Ø-Ø§Ù,, Ø§Ù,,Ù...ØªÙ†Ù,, Ø-Ø§Ù,,Ù†Ø§Ù...Ù,, Ø§Ù,,Ø-ÙŠÙ†Ø§Ù...ÙŠÙ†ÙŠ (FQDN) Ù,,Ø¹Ù...Ù,,Ø§Ø; AnyConnect Ø§Ù,,Ø°ÙŠÙ† ÙŠØ-Ø¹Ù...Ù^Ù†Ù†Ø§.

### ØªÙ,Ø³ÙŠÙ... Ø§Ù,,Ø§ØªØ§Ø§Ù,, Ø§Ù,,Ù†Ù◊Ù,ÙŠ

ÙŠØ-Ø-ØªÙ†Ù^ÙŠÙ† ASA Ù,,Ø§Ø³ØªØ-Ø¹Ø§Ø-Ø§Ù,,Ù,Ø§Ø;Ù...Ø© Ø§Ù,,Ù...ØØ-Ø-Ø© Ù,,Ù^Ø-Ù†Ø§Øª IPv4 Ù^ IPv6 Ø§Ù,,ØªÙŠ Ø³ÙŠØªÙ... Ø¥Ø³ØªØ-Ø¹Ø§Ø-Ù†Ø§ Ù...Ù† Ø§Ù,,Ù†Ù◊Ù,, Ù,,Ø³Ù^Ø; Ø§Ù,,ØØ,Ø£ Ù,,Ø§Ø!Ù...Ø© Ø§Ù,,Ø¹Ù†Ø§Ù^ÙŠÙ† Ø-ÙŠÙ†Ø§Ù...ÙŠÙ†ÙŠØ Ù^Ù...Ù† Ø§Ù,,Ù...ØªÙ...Ù,, Ø£Ù† ØªØªØ°ÙŠØ±. Ø±Ø§Ø-Ø¹ Ù,Ø³Ù... Ø§Ù,,ØªÙ†Ù^ÙŠÙ† Ù,,Ø-Ø±Ù†Ø§Ù...Ø-Ù†ØµÙŠ Ù,,Ù,,Ø-ÙŠØ«Ù^Ù†Ø£ Ù^Ø§Ø±ØªØ-Ø§Ø-Ø-ØÙ,,Ù,Ø© Ù,,Ø±Ø§Ø;Ø©-eval-Ø-Ø-Ø§Ø¹Ø© (REPL) Ù,,Ù,,Ø-ÙŠØ«Ù^Ù† Ø¹Ø-Ø± Ø§Ù,,Ø¥Ù†ØªØ±Ù†Øª ÙŠÙ...Ù†Ù† Ø¥Ø³ØªØ®Ø-Ø§Ù...Ù† Ù,,Ø§Ø³ØªØ±Ø-Ø§Ø-Ø§Ù,,Ù,Ø§Ø!Ù...Ø© Ù^Ø¥Ù†Ø'Ø§Ø; Ù†Ù...Ù^Ø-Ø-Ù,,ØªÙ†Ù^ÙŠÙ†.

### Ø§Ù,,Ø§ØªØ§Ø§Ù,, Ø§Ù,,Ù†Ù◊Ù,ÙŠ ØªÙ,Ø³ÙŠÙ...

### Ø-ÙŠÙ†Ø§Ù...ÙŠÙ†ÙŠ

Ø-Ø§Ù,,Ø¥Ø¶Ø§Ù◊Ø© Ø¥Ù,,Ù% Ù,,Ø§Ø!Ù...Ø© Ø¹Ù†Ø§Ù^ÙŠÙ† Ø§Ù,,Ø'Ø-Ù†Ø© Ø§Ù,,Ù...Ù†Ù,Ø³Ù...Ø© Ø§Ù,,Ù...Ø³ØªØ-Ø¹Ø-Ø©Ø£ ØªÙ...Øª Ø¥Ø¶Ø§Ù◊Ø© Ø§ØªØµØ§Ù,,



```

        "access-list {acl_name} remark {comment}".format(
            acl_name=acl_name, comment=section_comment
        )
    )
)
for ip in sorted(ips):
    if ":" in ip:
        # IPv6 address
        print(
            "access-list {acl_name} extended permit ip {ip} any6".format(
                acl_name=acl_name, ip=ip
            )
        )
    else:
        # IPv4 address. Convert to a mask
        addr, slash = ip.split("/")
        slash_mask = slash_to_mask[int(slash)]
        print(
            "access-list {acl_name} extended permit ip {addr} {mask} any4".format(
                acl_name=acl_name, addr=addr, mask=slash_mask
            )
        )
)

# Fetch the current endpoints for O365
http_res = urllib.request.urlopen(
    url="https://endpoints.office.com/endpoints/worldwide?clientrequestid={}".format(
        uuid.uuid4()
    )
)
res = json.loads(http_res.read())
o365_ips = set()
o365_fqdns = set()
for service in res:
    if service["category"] == "Optimize":
        for ip in service.get("ips", []):
            o365_ips.add(ip)
        for fqdn in service.get("urls", []):
            o365_fqdns.add(fqdn)

# Generate an acl for split excluding For instance
print("##### Step 1: Create an access-list to include the split-exclude networks\n")
acl_name = "ExcludeSass"
# O365 networks
print_acl_lines(
    acl_name=acl_name,
    ips=o365_ips,
    section_comment="v4 and v6 networks for Microsoft Office 365",
)
# Microsoft Teams
# https://docs.microsoft.com/en-us/office365/enterprise/office-365-vpn-implement-split-tunnel#configuring-split-tunneling
print_acl_lines(
    acl_name=acl_name,
    ips=["10.107.60.1/32"],
    section_comment="v4 address for Microsoft Teams"
)
# Cisco Webex - Per https://help.webex.com/en-us/WBX000028782/Network-Requirements-for-Webex-Teams-Service
webex_ips = [
    "10.68.96.1/19",
    "10.114.160.1/20",
    "10.163.32.1/19",
    "192.0.2.1/18",
    "192.0.2.2/19",

```







AnyConnect



VPN



System Scan



Roaming Security

## Virtual Private Network (VPN)

Statistics

Route Details

Firewall

Message History

### ▼ Non-Secured Routes (IPv4)

- 13.107.6.152/31
- 13.107.18.10/31
- 13.107.64.0/18
- 13.107.128.0/22
- 13.107.136.0/22
- 23.103.160.0/20
- 40.96.0.0/13
- 40.104.0.0/15
- 40.108.128.0/17
- 52.96.0.0/14
- 52.104.0.0/14
- 52.112.0.0/14
- 104.146.128.0/17
- 131.253.33.215/32
- 132.245.0.0/16
- 150.171.32.0/22
- 150.171.40.0/22
- 191.234.140.0/22
- 204.79.197.215/32

### ▼ Non-Secured Routes (IPv6)

- 2603:1006:0:0:0:0:0:0/40
- 2603:1016:0:0:0:0:0:0/36
- 2603:1026:0:0:0:0:0:0/36



AnyConnect



VPN



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Roaming Security

## Virtual Private Network (VPN)

Statistics

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▼ Connection Information	
State:	Connected
Tunnel Mode (IPv4):	Split Exclude
Tunnel Mode (IPv6):	Split Exclude
Dynamic Tunnel Exclusion:	outlook.office.com sharepoint.com outloo...
Dynamic Tunnel Inclusion:	None
Duration:	00:00:42
Session Disconnect:	None
Management Connection State:	Disconnected (user tunnel active)
▼ Address Information	
Client (IPv4):	10.99.99.10
Client (IPv6):	2001:AAAA:0:0:0:0:1
Server:	172.18.229.149
▼ Bytes	
Sent:	120926
Received:	47394
▼ Frames	
	077

Reset

Export Stats...

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ م ف ن م دخت س م ل م عد و ت م م م دقت ل ة م ش ب ل و  
م ك ة ق م ق د ن و ك ت ن ل ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م م چ ر م . ة ص ا خ ل م ه ت غ ل ب  
Cisco مچرت م ا م د ق م م ا ت ل ا ة م ف ا ر ت ح ا ل ا ة مچرت ل ا م ل ا ح ل ا و ه  
ل ا ا م ا د ا د ع و چ ر ل ا ب م ص و ت و ت ا مچرت ل ا ه ذ ه ة ق د ن ع ا ه ت م ل و ئ س م  
Systems (ر ف و ت م ط ب ا ر ل ا) م ل ص ا ل ا م ل م ل ا ح ل ا ن ا ل ا دن ت س م ل ا