API Module - Peering

Peering

ProVision's APIv1 system has been replaced by APIv2, and is now considered deprecated.

- Peering
  - getCommunications
  - getPeers
  - getRequests
  - getSessions
  - addSession
  - configureSession
  - deleteSession
  - updateSession
  - resestPeerStatus
  - sendRequest
  - sendEmail
  - updatePeer

getCommunications

Base URL	/api/v1/api.php?target=peering&action=getCommunications
Description	Returns all communication data on peers at a particular exchange.
Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"8 records found.","data":[{"name":"1&1 Internet","asn":"8560","request_status":null,"qualified":null,"is_peer":false,"id":"262","log_data":[]},{"name":"Akamai Technologies","asn":"20940","request_status":null,"qualified":null,"is_peer":false,"id":"2","log_data":[]},{"name":"Amazon.com","asn":"16509","request_status":null,"qualified":null,"is_peer":false,"id":"1418","log_data":[]},{"name":"Atrato IP Networks","asn":"5580","request_status":null,"qualified":null,"is_peer":false,"id":"2283","log_data":[]},{"name":"OVH","asn":"16276","request_status":null,"qualified":null,"is_peer":false,"id":"1264","log_data":[]},{"name":"Verisign","asn":"7342","request_status":null,"qualified":null,"is_peer":false,"id":"873","log_data":[]},{"name":"Walmart.com","asn":"17374","request_status":null,"qualified":null,"is_peer":false,"id":"627","log_data":[]},{"name":"Windstream Communications","asn":"7029","request_status":null,"qualified":null,"is_peer":false,"id":"1820","log_data":[]},{"name":"Yahoo!","asn":"10310","request_status":null,"qualified":null,"is_peer":false,"id":"27","log_data":[]},{"name":"Zayo","asn":"19092","request_status":null,"qualified":null,"is_peer":false,"id":"3611","log_data":[]},{"name":"Zayo (Abovenet Communications Inc.)","asn":"6461","request_status":null,"qualified":null,"is_peer":false,"id":"541","log_data":[]},{"name":"tw telecom","asn":"4323","request_status":null,"qualified":null,"is_peer":false,"id":"540","log_data":[]}]} ERROR: *{'success':0, 'message':'error message'}*
Required Parameters	**Name** / **Type** / **Example** / **Description** public_id / INTEGER / 1 / The unique numerical identifier of the exchange to retrieve peering communicaiton records for.
Optional Parameters	None
Example URL	/api/v1/api.php?target=peering&action=getCommunications&public_id=1

getPeers

URL	/api/v1/api.php?target=peering&action=getPeers
Description	Returns a list of all peers available at an exchange

Returns

Examples:
SUCCESSFUL: {"success":1,"message":"184 peers found.","data":[{"id":"262","public_id":"1","asn":"8560","name":"1&1 Internet","qualified":true,"is_peer":0,"request_status":"sent","info_prefixes":"150","public_ips":[],"contacts":[],"log_data":[]},"id":"286","public_id":null,"asn":"3856","name":"Packet Clearing House","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"100","public_ips":[],"contacts":[],"log_data":[]},{"id":"890","public_id":null,"asn":"13768","name":"PEER 1 Hosting","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"3000","public_ips":[],"contacts":[],"log_data":[]},{"id":"1676","public_id":null,"asn":"3737","name":"PenTeleData","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"80","public_ips":[],"contacts":[],"log_data":[]},{"id":"1560","public_id":null,"asn":"23265","name":"Pocketinet Communications, Inc.","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"200","public_ips":[],"contacts":[],"log_data":[]},{"id":"576","public_id":null,"asn":"32787","name":"Prolexic","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"500","public_ips":[],"contacts":[],"log_data":[]},"id":"353","public_id":null,"asn":"27524","name":"Xeex Communications","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"3000","public_ips":[],"contacts":[],"log_data":[]},{"id":"27","public_id":null,"asn":"10310","name":"Yahoo!","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"500","public_ips":[],"contacts":[],"log_data":[]},{"id":"1751","public_id":null,"asn":"13238","name":"Yandex LLC","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"60","public_ips":[],"contacts":[],"log_data":[]},{"id":"4078","public_id":null,"asn":"19468","name":"YieldBuild Inc","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"5","public_ips":[],"contacts":[],"log_data":[]},{"id":"541","public_id":null,"asn":"6461","name":"Zayo (Abovenet Communications Inc.)","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":"20000","public_ips":[],"contacts":[],"log_data":[]},{"id":"2351","public_id":null,"asn":"14824","name":"Zynga Game Network, Inc.","qualified":true,"is_peer":0,"request_status":null,"info_prefixes":null,"public_ips":[],"contacts":[],"log_data":[]}]}
ERROR: {"success":1,"message":"No peers found."}

Required Parameters

None

Optional Parameters

Name	Type	Example	Description
public_id	INTEGER	1	The unique numerical identifier of the exchange to retrieve peering communication records for.
id	INT	1	The unique numerical identifier of the peer in peeringDB.
asn	INT	4436	
name	STRING	GTT	
aka	STRING	nLayer	
website	STRING	http://www.gt-t.net	
notes_public	STRING		
notes_private	STRING		
irr_as_set	STRING	AS-NLAYER	
info_traffic	ENUM	1 Tbps+	enum('Not Disclosed','0-20 Mbps','20-100Mbps','100-1000Mbps','1-5Gbps','5-10Gbps','10-20Gbps','20-50 Gbps','50-100 Gbps','100+ Gbps','100-200 Gbps','200-300 Gbps','300-500 Gbps','500-1000 Gbps','1 Tbps+') DEFAULT 'Not Disclosed'
info_ratio	ENUM	Mostly Outbound	enum('Not Disclosed','Heavy Outbound','Mostly Outbound','Balanced','Mostly Inbound','Heavy Inbound') DEFAULT 'Not Disclosed'
info_scope	ENUM	Global	enum('Not Disclosed','Regional','North America','Asia Pacific','Europe','Africa','South America','Global') DEFAULT NULL
info_type	ENUM	NSP	enum('Not Disclosed','NSP','Content','Cable/DSL /ISP','Enterprise','Educational/Research','Non-Profit') DEFAULT 'Not Disclosed'
info_prefixes	INT	10000	
info_lookingglass	STRING	http://lg.nlayer.net/	
info_routeserver	STRING	telnet://route-server.nlayer.net	
info_unicast	CHAR	1	
info_multicast	CHAR		
info_ipv6	CHAR	1	

policy_url	STRING	http://www.gt-t.net/Peering_policies.aspx	
policy_general	ENUM	Selective	enum('Open','Selective','Restrictive','No') DEFAULT NULL
policy_locations	ENUM	Required - International	enum('Not Required','Preferred','Required - US','Required - International') DEFAULT NULL
policy_ratio	ENUM	No	enum('Yes','No') DEFAULT NULL
policy_contracts	ENUM	Not Required	enum('Not Required','Private Only','Required') DEFAULT NULL
policy_nopublic	ENUM	N	enum('Y','N') NOT NULL DEFAULT 'N'
policy_noprivate	ENUM	N	enum('Y','N') NOT NULL DEFAULT 'N'
date_created	DATETIME	2013-03-21 15:36:42	Date the peeringdb entry was created
date_lastupdated	DATETIME	2013-03-21 15:36:42	Date the peeringdb entry was last updated
include_public_ips	BOOL	TRUE	Returns a list of all public facing IPs
include_contacts	BOOL	TRUE	Returns a list of all contacts associated with peer(s)
include_log_data	BOOL	TRUE	Returns a list of all log data associated with the peer(s) (use with care)

Example URL	/api/v1/api.php?target=peering&action=getPeers&public_id=1

getRequests

URL	/api/v1/api.php?target=peering&action=getRequests
Description	Returns a list of all peering requests issued
Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"1 request found.","data":[{"id":"131","public_id":"5","source_participant_id":"2335","source_asn":"8038","peer_participant_id":"1418","peer_asn":"16509","peer_name":"Amazon.com","email_type":"text","email_from":"ops@6connect.com","email_to":"nalinmk@gmail.com","subject":"Peering request from 6connect, Inc.","body":"Peering,\r\n\r\n6connect, Inc., 8038, would like to peer with Amazon.com at our common locations.\r\n\r\nFacility, IP Address\r\nEquinix Ashburn - 206.126.236.68\r\nEquinix Palo Alto - 198.32.176.36\r\nEquinix Ashburn - 206.126.236.35\r\nEquinix San Jose - 206.223.116.177\r\nLINX Juniper LAN - 195.66.225.175\r\n\r\nSincerely,\r\nOperations\r\nops@6connect.com\r\n\r\n\r\n6connect, Inc. information:\r\nEquinix Palo Alto, 2001:504:d::33\r\nEquinix Palo Alto, 198.32.176.51\r\n\r\nPeeringDB: http:\/\/as8038.peeringdb.com\/\r\n","status":null,"created":"2014-04-23 10:31:33","modified":"2014-04-23 10:31:33"}]} ERROR: {"success":1,"message":"No request found.","data":[]}
Required Parameters	None
Optional Parameters	**Name** / **Type** / **Example** / **Description** peer_participant_id / INTEGER / 1 / The numerical id of the peer
Example URL	/api/v1/api.php?target=peering&action=getRequests&peer_participant_id=1

getSessions

URL	/api/v1/api.php?target=peering&action=getSessions
Description	Returns a list of all bgp peering sessions

Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"1 sessions found.","data":[{"id":"51","source_asn":"32787","source_ipaddr":"1.2.3.4","resource_id":"422","resource_name":"ar1.inoc.com","peer_asn":"20940","peer_name":"Akamai Technologies","peer_participant_id":"2","peer_ipaddr":"206.126.236.102","peer_hostname":null,"peer_group":"group b","public_id":"1","public_name":"Equinix Ashburn","ip_type":"ipv4","type":"Peer","state":"not configured","prfx_max":"20","prfx_received":null,"password":"0","note":null},]} ERROR: {"success":1,"message":"No peers found."}

Required Parameters

Name	Type	Example	Description
public_id	INTEGER	1	The unique numerical identifier of the exchange to retrieve peering communicaiton records for.

Optional Parameters

Name	Type	Example	Description
id	INTEGER	41	
public_id	INTEGER		
source_asn	INTEGER		
source_ipaddr	STRING		
resource_id	INTEGER		
peer_asn	INTEGER		
peer_name	STRING		
peer_participant_id	INTEGER		
peer_ipaddr	STRING		
peer_hostname	STRING		
peer_group	STRING		
password	INTEGER		
type	STRING		
state	STRING		
prfx_max	INTEGER		
prfx_received	INTEGER		
ip_type	ENUM		enum('ipv4','ipv6') NOT NULL DEFAULT 'ipv4'
note	STRING		
created	TIMESTAMP		
modified	TIMESTAMP		
deleted	INTEGER		
public_id	INTEGER		

Example URL	/api/v1/api.php?target=peering&action=getPeers&public_id=1

addSession

URL	/api/v1/api.php?target=peering&action=addSession
Description	Adds a bgp session

Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"Session added: Amazon.com (AS8038\/1.2.3.5) - (AS16509\/206.126.236.68)","data":{"id":111,"source_asn":"8038","source_ipaddr":"1.2.3.5","resource_id":"422","resource_name":null,"peer_asn":"16509","peer_name":"Amazon.com","peer_participant_id":"1418","peer_ipaddr":"206.126.236.68","peer_hostname":null,"peer_group":"LAME-PEERS","public_id":"1","public_name":null,"ip_type":"ipv4","type":"Peer","state":"not configured","prfx_max":"200","prfx_received":null,"password":"ace12345","note":"I'm a fancy note."}} ERROR: {"success":1,"message":"No request found.","data":[]}
Required Parameters	None
Optional Parameters	

Name	Type	Example	Description
source_asn	INTEGER	1	The numerical id of the peer
source_ipaddr	STRING		
resource_id	INTEGER		
peer_asn	INTEGER		
peer_name	STRING		
peer_participant_id	INTEGER		
peer_ipaddr	STRING		
peer_hostname	STRING		
peer_group	STRING		
public_id			
type	STRING		
ip_type	ENUM		enum('ipv4','ipv6')
state	STRING		
prfx_max	INTEGER		
note	STRING		

Example URL	/api/v1/api.php?target=peering&action=getRequests&peer_participant_id=1

configureSession

URL	/api/v1/api.php?target=peering&action=configureSession
Description	Configure a BGP session on the router
Returns	**Examples:** SUCCESSFUL: ERROR: {"success":0,"message":"Unable to authenticate "}
Required Parameters	

Name	Type	Example	Description
session_id	INTEGER	1	

Optional Parameters

Name	Type	Example	Description
session_id	INTEGER	1	The numerical id of the peer
source_ipaddr	STRING		
resource_id	INTEGER		
peer_asn	INTEGER		
peer_name	STRING		
peer_participant_id	INTEGER		
peer_ipaddr	STRING		
peer_hostname	STRING		
peer_group	STRING		
public_id			
type	STRING		
ip_type	ENUM		enum('ipv4','ipv6')
state	STRING		
prfx_max	INTEGER		
note	STRING		

Example URL

/api/v1/api.php?target=peering&action=configureSession&session_id=51&username=&config=conf+t%0A%0Arouter+bgp+32787%0A%0Ano+neighbor+206.126.236.102%0A%0Aneighbor+206.126.236.102+remote-as+20940%0Aneighbor+206.126.236.102+peer-group+group+b%0Aneighbor+206.126.236.102+description+Akamai+Technologies%0Aneighbor+206.126.236.102+maximum-prefix+20+%0Aneighbor+206.126.236.102+password+0+0%0A%0Aend%0Awrite

deleteSession

URL	/api/v1/api.php?target=peering&action=deleteSession
Description	Delete sessions matching criteria
Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"1 sessions deleted."} ERROR: {"success":0,"message":"No sessions found to delete."}
Required Parameters	None

Optional Parameters

Name	Type	Example	Description
id	INTEGER	41	
public_id	INTEGER		
source_asn	INTEGER		
source_ipaddr	STRING		
resource_id	INTEGER		
peer_asn	INTEGER		
peer_name	STRING		
peer_participant_id	INTEGER		
peer_ipaddr	STRING		
peer_hostname	STRING		
peer_group	STRING		
password	INTEGER		
type	STRING		
state	STRING		
prfx_max	INTEGER		
prfx_received	INTEGER		
ip_type	ENUM		enum('ipv4','ipv6') NOT NULL DEFAULT 'ipv4'
note	STRING		
created	TIMESTAMP		
modified	TIMESTAMP		
deleted	INTEGER		
public_id	INTEGER		

Example URL: /api/v1/api.php?target=peering&action=deleteSession&id=171

updateSession

URL	/api/v1/api.php?target=peering&action=updateSession
Description	Updates session values with any new values specified
Returns	**Examples:** SUCCESSFUL:{"success":1,"message":"Session updated: 123.net (AS32787\/1.2.3.4) - (AS12129\/206.126.236.70)","data":{"id":"41","source_asn":"32787","source_ipaddr":"1.2.3.4","resource_id":"422","resource_name":"ar1.inoc.com","peer_asn":"12129","peer_name":"123.net","peer_participant_id":"3899","peer_ipaddr":"206.126.236.70","peer_hostname":null,"peer_group":"groupa","public_id":"1","public_name":"Equinix Ashburn","ip_type":"ipv4","type":"Peer","state":"not configured","prfx_max":"10","prfx_received":null,"password":"0","note":"Adding an awesome note."}} ERROR:
Required Parameters	None

Optional Parameters	

Name	Type	Example	Description
id	INTEGER	41	
public_id	INTEGER		
source_asn	INTEGER		
source_ipaddr	STRING		
resource_id	INTEGER		
peer_asn	INTEGER		
peer_name	STRING		
peer_participant_id	INTEGER		
peer_ipaddr	STRING		
peer_hostname	STRING		
peer_group	STRING		
password	INTEGER		
type	STRING		
state	STRING		
prfx_max	INTEGER		
prfx_received	INTEGER		
ip_type	ENUM		enum('ipv4','ipv6') NOT NULL DEFAULT 'ipv4'
note	STRING		
created	TIMESTAMP		
modified	TIMESTAMP		
deleted	INTEGER		
public_id	INTEGER		

Example URL	/api/v1/api.php?target=peering&action=updateSession&note=Adding+an+awesome+note.&peer_group=group+a

resestPeerStatus

URL	/api/v1/api.php?target=peering&action=resetPeerStatus
Description	
Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"1&1 Internet status reset","data":{"id":"262","public_id":"1","asn":"8560","name":"1&1 Internet","qualified":true,"is_peer":0,"request_status":"none","info_prefixes":null,"public_ips":[],"contacts":[],"log_data":[{"message":"Peer status reset","time":"2014-05-22 23:14:54","request_id":null,"session_id":null,"public_id":"1"},{"message":"Peer status reset","time":"2014-05-22 23:14:18","request_id":null,"session_id":null,"public_id":"1"},{"message":"Session deleted: 1&1 Internet (AS32787\/1.2.3.4) - (AS8560\/206.126.236.200)","time":"2014-05-22 22:39:43","request_id":null,"session_id":"71","public_id":"1"},{"message":"Request sent: ","time":"2014-04-12 13:24:43","request_id":"121","session_id":null,"public_id":"1"},{"message":"Session added: 1&1 Internet (AS32787\/1.2.3.4) - (AS8560\/206.126.236.200)","time":"2014-04-07 11:32:37","request_id":null,"session_id":"71","public_id":"1"}]}} ERROR: {"success":0,"message":"Could not find peer matching parameters"}

Required Parameters	<table><tr><th>Name</th><th>Type</th><th>Example</th><th>Description</th></tr><tr><td>participant_id</td><td>INTEGER</td><td>262</td><td>The id of the peer in from the peeringDB peerParticipants table.</td></tr><tr><td>public_id</td><td>INTEGER</td><td>1</td><td>The id of the exchange point from the peeringDB mgmtPublics table.</td></tr></table>
Optional Parameters	None
Example URL	/api/v1/api.php?target=peering&action=resetPeerStatus&participant_id=262&public_id=1

sendRequest

URL	/api/v1/api.php?target=peering&action=sendRequest
Description	Send a peering request (email) to a prospective peer. This will be deprecated in the next version for a simpler call, strongly suggest
Returns	**Examples:** SUCCESSFUL: {"success":1,"message":"Request sent","data":{"id":"922","public_id":"1","asn":"10933","name":"ATX Communicatio is_peer":0,"request_status":"sent","info_prefixes":null,"public_ips":[],"contacts":[],"log_data":[{"message":"Request sent to ","time":"2 request_id":"181","session_id":null,"public_id":"1"},{"message":"Request sent to ","time":"2014-05-27 16:49:30","request_id":"171"," public_id":"1"}]}} ERROR: {"success":0,"message":"Internal error"}
Required Parameters	<table><tr><th>Name</th><th>Type</th><th>Example</th><th>Description</th></tr><tr><td>public_id</td><td>INTEGER</td><td></td><td></td></tr><tr><td>peer_participant_id</td><td>INTEGER</td><td></td><td></td></tr><tr><td>source_participant_id</td><td>INTEGER</td><td></td><td></td></tr><tr><td>peer_name</td><td>STRING</td><td></td><td></td></tr><tr><td>peer_asn</td><td>INTEGER</td><td></td><td></td></tr><tr><td>email_from</td><td>STRING</td><td>262</td><td></td></tr><tr><td>email_to</td><td>STRING</td><td>1</td><td></td></tr><tr><td>subject</td><td>STRING</td><td></td><td></td></tr><tr><td>body</td><td>STRING</td><td></td><td></td></tr><tr><td>type</td><td>ENUM</td><td>html</td><td>enum('text','html')</td></tr><tr><td>status</td><td>ENUM</td><td>sent</td><td>enum('sent','accepted','rejected')</td></tr></table>
Optional Parameters	None
Example URL	https://ops.6connect.com/peering-demo/api/v1/api.php? target=peering&action=sendRequest&peer_participant_id=1909&peer_asn=28929&peer_name=ASDASD+srl&source_participant_ &public_id=1&type=text&email_from=ops%406connect.com&email_to=operations%40as28929.net&cc=&bcc=&subject=Peering+re 2C+Inc. &body=%0D%0APeering%2C%0D%0A%0D%0A6connect%2C+Inc.%2C+8038% 2C+would+like+to+peer+with+ASDASD+srl+at+our+common+locations.%3A%0D%0APeeringDB%3A+http%3A%2F%2Fas8038.p 0A

sendEmail

URL	/api/v1/api.php?target=peering&action=sendEmail
Description	Send a peering request (email) to a prospective peer. This will be deprecated in the next version for a simpler call, strongly suggest against using.

Returns	**Examples:** SUCCESSFUL: ERROR:
Required Parameters	

Name	Type	Example	Description
participant_id	INTEGER	262	
public_id	INTEGER	1	

Optional Parameters	None
Example URL	

updatePeer

URL	/api/v1/api.php?target=peering&action=updatePeer
Description	
Returns	**Examples:** SUCCESSFUL: ERROR:
Required Parameters	

Name	Type	Example	Description
participant_id	INTEGER	262	
public_id	INTEGER	1	

Optional Parameters	None
Example URL	