

# 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ProVision's APIv1 system has been replaced by APIv2, and is now considered deprecated.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
  - resetPeerStatus
  - 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	<b>Examples:</b> <table><tr><td>SUCCESSFUL</td><td colspan="3">{ "success":1,"message":"8 records found.", "data":[{"name":"1&amp;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":[]}]}</td></tr><tr><td>ERROR</td><td colspan="3">{ 'success':0, 'message':'error message' }</td></tr></table>			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' }		
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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	<b>Examples:</b> 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."}																																																																																			
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	policy_url	STRING	<a href="http://www.gt-t.net/Peering_policies.aspx">http://www.gt-t.net/Peering_policies.aspx</a>	
	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	<p><b>Examples:</b></p> <p>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\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\r\n","status":null,"created":"2014-04-23 10:31:33","modified":"2014-04-23 10:31:33"}]}</p> <p>ERROR: {"success":1,"message":"No request found.,"data":[]}]</p>											
Required Parameters	None											
Optional Parameters	<table><tr><th>Name</th><th>Type</th><th>Example</th><th>Description</th></tr><tr><td>peer_participant_id</td><td>INTEGER</td><td>1</td><td>The numerical id of the peer</td></tr></table>				Name	Type	Example	Description	peer_participant_id	INTEGER	1	The numerical id of the peer
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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	<b>Examples:</b> 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."}																																																																																														
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## addSession

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

Returns	<p><b>Examples:</b></p> <p>SUCCESSFUL: {"success":1,"message":"Session added: Amazon.com (AS8038V1.2.3.5) - (AS16509V206.126.236.68)","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."}}</p> <p>ERROR: {"success":1,"message":"No request found.","data":[]}</p>																																																																
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Optional Parameters	<table><tr><th>Name</th><th>Type</th><th>Example</th><th>Description</th></tr><tr><td>source_asn</td><td>INTEGER</td><td>1</td><td>The numerical id of the peer</td></tr><tr><td>source_ipaddr</td><td>STRING</td><td></td><td></td></tr><tr><td>resource_id</td><td>INTEGER</td><td></td><td></td></tr><tr><td>peer_asn</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_participant_id</td><td>INTEGER</td><td></td><td></td></tr><tr><td>peer_ipaddr</td><td>STRING</td><td></td><td></td></tr><tr><td>peer_hostname</td><td>STRING</td><td></td><td></td></tr><tr><td>peer_group</td><td>STRING</td><td></td><td></td></tr><tr><td>public_id</td><td></td><td></td><td></td></tr><tr><td>type</td><td>STRING</td><td></td><td></td></tr><tr><td>ip_type</td><td>ENUM</td><td></td><td>enum('ipv4','ipv6')</td></tr><tr><td>state</td><td>STRING</td><td></td><td></td></tr><tr><td>prfx_max</td><td>INTEGER</td><td></td><td></td></tr><tr><td>note</td><td>STRING</td><td></td><td></td></tr></table>	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		
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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	<b>Examples:</b> SUCCESSFUL:  ERROR: {"success":0,"message":"Unable to authenticate "}											
Required Parameters												
	<table><tr><th>Name</th><th>Type</th><th>Example</th><th>Description</th></tr><tr><td>session_id</td><td>INTEGER</td><td>1</td><td></td></tr></table>				Name	Type	Example	Description	session_id	INTEGER	1	
	Name	Type	Example	Description								
session_id	INTEGER	1										

Optional Parameters	<b>Name</b>	<b>Type</b>	<b>Example</b>	<b>Description</b>
	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%0Aneighbor+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	<b>Examples:</b> 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	<p><b>Examples:</b></p> <p>SUCCESSFUL:{"success":1,"message":"Session updated: 123.net (AS32787V1.2.3.4) - (AS12129V206.126.236.70)","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":"group a","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."}}</p> <p>ERROR:</p>
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			

## resetPeerStatus

URL	/api/v1/api.php?target=peering&action=resetPeerStatus
Description	
Returns	<p><b>Examples:</b></p> <p>SUCCESSFUL: {"success":1,"message":"1&amp;1 Internet status reset","data":{"id":"262","public_id":"1","asn":"8560","name":"1&amp;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&amp;1 Internet (AS32787V1.2.3.4) - (AS8560V206.126.236.200)","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&amp;1 Internet (AS32787V1.2.3.4) - (AS8560V206.126.236.200)","time":"2014-04-07 11:32:37","request_id":null,"session_id":"71","public_id":"1"}]}}</p> <p>ERROR: {"success":0,"message":"Could not find peer matching parameters"}</p>



Required Parameters				
	<b>Name</b>	<b>Type</b>	<b>Example</b>	<b>Description</b>
	participant_id	INTEGER	262	The id of the peer in from the peeringDB peerParticipants table.
	public_id	INTEGER	1	The id of the exchange point from the peeringDB mgmtPublics 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	<b>Examples:</b> 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	<b>Name</b>	<b>Type</b>	<b>Example</b>	<b>Description</b>
	public_id	INTEGER		
	peer_participant_id	INTEGER		
	source_participant_id	INTEGER		
	peer_name	STRING		
	peer_asn	INTEGER		
	email_from	STRING	262	
	email_to	STRING	1	
	subject	STRING		
	body	STRING		
	type	ENUM	html	enum('text','html')
	status	ENUM	sent	enum('sent','accepted','rejected')
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+srI&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+srI+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	<b>Examples:</b> SUCCESSFUL:  ERROR:															
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></td></tr><tr><td>public_id</td><td>INTEGER</td><td>1</td><td></td></tr></table>				Name	Type	Example	Description	participant_id	INTEGER	262		public_id	INTEGER	1	
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	<b>Examples:</b> SUCCESSFUL:  ERROR:			
Required Parameters				
	Name	Type	Example	Description
	participant_id	INTEGER	262	
	public_id	INTEGER	1	
Optional Parameters	None			
Example URL				