ARIN REGISTRATION CORE SERVICES API -

REST Methods Documentation

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API KEYS

API keys act as a shared secret and provide a link between the RESTful caller and a web-user account. Most service calls require an API key. Any calls that do will be labeled in the specification below.

To define an API key, you just need to specify the request parameter "apikey" on the URL of the call. Note that the "apikey=" variable name in the URL must be all lowercase. Sending an uppercase (APIKEY) or camel case (apiKey) version of the variable name will result in an exception. The API Key itself must be in uppercase; that is, it must match case just like a password does. Below is an example of a POC delete call with the API key specified:

Using the "apikey" on a POC delete

```
DELETE /rest/poc/DUDE1-ARIN?apikey=API-1234-1234-1234-1234 HTTP/1.1
```

GENERAL ERROR CODES

There are several error status codes that could occur on almost every call. If you receive a status code that was unexpected based on the service definition below, the details of the error code could be here. In cases where there's a generic status code, i.e. 400 Bad Request, the Registration Core will return an ErrorPayload containing further details about the error and how to resolve it.

In nearly all cases, the status codes map to the HTTP specification.

Status Code	Description
400	You sent the Registration Core a bad request. Common causes could be: missing or incorrect "apikey" parameter, misconfiguration or the data received couldn't pass our entity validation rules. See the ErrorPayload for a concrete explanation of why you received this status.
404	The main component of your service call couldn't be found in the database. For instance, if you get a 404 while trying to modify a POC it probably means we couldn't find a matching POC handle in the database.
405	If you're seeing this, check the interface of the service you're calling and verify that the URL and HTTP method match to something in our specification. Chances are you're missing some element of the URL path to sync it up to the proper call.
409	If you receive this error, you probably tried deleting something that was still linked to something else in our database. For example, if you tried to delete POC it is probably still linked to an organization or a network.

413	If you receive this error, the size of the response was too large. This may be because of the attachments on a ticket's messages, for example. The error payload will give you the actual size limit you've reached. Try again with a summary to receive a smaller response.

The error message "The API key specified was missing or invalid." can be caused by one of two issues:

- Your API key was not found in our database.
- The API key you specified could not be found associated with the resource you've requested.

Please keep in mind that if you specify a resource that does not exist (e.g. you misspell your handle), we will return this error as well. Therefore, if you are seeing this error and you are sure that your API key is correct you should also verify that your resource exists and that the handle/key for that resource is correct.

An error will also result if "application/xml" is not specified as the mime type.

POC SERVICE

These services provide interaction with your point-of-contacts (POC) information at ARIN.

GET

Definition	
Method	GET
URL	/rest/poc/POCHANDLE?apikey=APIKEY
Content	NONE
Returns	PocPayload

Returns the details of a POC record.

If no POC can be found with the handle specified, an exception containing an ErrorPayload will be thrown.

CREATE

Definition	
Method	POST
URL	/rest/poc;makeLink=MAKELINK?apikey=APIKEY
Content	PocPayload
Returns	PocPayload

Creates a POC.

This call will create a POC record based on the payload provided. Once the POC has been created, a new payload will be constructed and returned back to the customer showing what was committed to the database. This returned payload will also contain the new POC handle that was created.

If you specify the makeLink matrix parameter with a value of *true*, the system will create a link between the ARIN Online user account identified by the API key and the newly created POC. If you do not specify a value for this matrix parameter, or specify a value of *false*, then no link will be created between the user and the new POC.

MODIFY

Definition	
Method	PUT
URL	/rest/poc/POCHANDLE?apikey=APIKEY
Content	PocPayload
Returns	PocPayload

This call will modify an existing POC record based on the payload provided.

This service will return a payload containing the new POC record and all the modifications that were accepted. If a validation error occurred, your changes were not committed to the database and you will receive an ErrorPayload instead.

If you send any phone or email information along with this payload it will replace all current phones and emails associated with this POC. If you want to add or remove individual phones or emails from a POC, please use the services detailed below.

DELETE

Definition	
Method	DELETE
URL	/rest/poc/POCHANDLE?apikey=APIKEY
Content	NONE
Returns	PocPayload

Removes a POC record.

This service will return a payload containing the POC record that was removed. If the POC is still associated with an organization or resources, the delete will fail and result in an exception containing an ErrorPayload.

ADD PHONE

Definition	
Method	PUT
URL	/rest/poc/POCHANDLE/phone?apikey=APIKEY
Content	PhonePayload
Returns	PhonePayload

Associates a phone with a POC.

DELETE PHONE

Definition	
Method	DELETE
URL	/rest/poc/POCHANDLE/phone/NUMBER;type=TYPE?apikey=APIKEY
Content	PhoneTypePayload
Returns	PayloadList

Removes a phone from a POC. This method is different from most service calls. It was added as a convenience method to our customers to allow them to remove individual phones without specifying their entire POC structure or phone list. It has several options; you can make the call with or without a phone number and with or without a type.

If you don't specify the "type" matrix parameter then the phone number specified will be removed from all the types. If it matches a single record, it will remove that one record, but if the number is specified as both an OFFICE and FAX record it will be removed for both. The possible types are detailed in the PhoneTypePayload.

Regardless of the combination you use to remove phone numbers, the resulting POC record must still pass validation before the changes are final. If you were to try and delete all office phone numbers, it will fail with a validation error and your changes won't be flushed to the database. Instead you'll receive a "400" status code and ErrorPayload denoting a validation error occurred.

This service will return a PayloadList of PhonePayload objects that were removed from the POC record. If no records were removed, you will still receive a "200 OK" and an empty PayloadList record. Due to the querying capability and open-ended nature of these queries, returning a 404 didn't make sense. Also, since this is a subservice off of the main POC service, a 404 will be used to denote that the POC-HANDLE provided does not exist.

ADD EMAIL

Definition	
Method	POST
URL	/rest/poc/POCHANDLE/email/EMAIL?apikey=APIKEY
Content	NONE
Returns	PocPayload

Add an email address to POC.

DELETE EMAIL

Definition	
Method	DELETE
URL	/rest/poc/POCHANDLE/email/EMAIL?apikey=APIKEY
Content	NONE
Returns	PocPayload

Delete an email address from the POC.

Similar to the method for removing a phone from a POC record, this will take the email address as a path parameter in the URL and remove it from the POC-HANDLE specified. If successful, it will return a PocPayload representing the current state of the POC. If it fails, it will return an ErrorPayload object denoting the reason for failure.

ORG SERVICE

These services provide interaction with your organization information at ARIN.

GET

Definition

Method	GET
URL	/rest/org/ORGHANDLE?apikey=APIKEY
Content	NONE
Returns	OrgPayload

Returns the details of an organization.

CREATE

Definition

Method	POST
URL	/rest/org/?apikey=APIKEY
Content	OrgPayload
Returns	TicketPayload

Create an organization. This method should be used if you plan to request resources directly from ARIN.

MODIFY

Definition

Method	PUT
URL	/rest/org/ORGHANDLE?apikey=APIKEY
Content	OrgPayload
Returns	OrgPayload

Modifies an organization. A new payload will be constructed and returned back to the customer showing what was committed to the database.

If you send a list of POC links for this organization, it will replace all existing links that this org may have.

DELETE

Definition

Method	DELETE
URL	/rest/org/ORGHANDLE?apikey=APIKEY
Content	NONE
Returns	OrgPayload

Removes an organization. This call will delete an organization record based on the ORG-HANDLE in the URL.

If successful, this service will return a payload containing the organization record that was removed. In cases where the organization is still linked to resources, this method will return a 409 Conflict status code to notify the user that the system was unable to process this request.

ADD POC

Definition	
Method	PUT
URL	/rest/org/ORGHANDLE/poc/POCHANDLE;pocFunction=POCFUNCTION?apikey=APIKEY
Content	NONE
Returns	OrgPayload

This call will associate a POC to an organization record using the ORG-HANDLE and POC-HANDLE specified. You must specify a type. The possible types are detailed on the PocLinkPayload.

This call requires both the ORG-HANDLE and POC-HANDLE to exist prior to execution. If the ORG-HANDLE or POC-HANDLE do not currently exist, a 404 will be returned with an ErrorPayload detailing which was missing.

Please note: *linking a new ADMIN POC to an organization will result in the current record being replaced. Any other type of POC will simply be added to the organization and not replace the existing POCs which are currently linked.*

REMOVE POC

Definition	
Method	DELETE
URL	/rest/org/ORGHANDLE/poc/POCHANDLE;pocFunction=POCFUNCTION?apikey=APIKEY
Content	NONE
Returns	OrgPayload

Similar to how a phone can be removed from a POC (Poc Service Delete Phone), this call allows you to optionally specify both the POC handle and the type to remove a POC from an organization, but at least one of those must be specified.

If you don't specify the type matrix parameter, the POC corresponding to POC-HANDLE will be removed from all the types. If it matches a single record, it will remove that one record; but if the POC is specified as both an ADMIN and TECH record, it will be removed for both.

Regardless of the combination you use to remove POC links to organizations, the resulting organization record must still pass validation before the changes are final. If you were to try and delete all POC tech roles, it will fail with a validation error and your changes won't be flushed to the database. Instead you'll receive a "400" status code and ErrorPayload denoting a validation error occurred.

This service will return a PayloadList of PocLinkPayload objects that were removed from the POC record. If no records were removed, you will still receive a "200 OK" and an empty PayloadList record. Due to the querying capability and open-ended nature of these queries, returning a 404 didn't make sense. Also, since this is a subservice off of the main organization service, a 404 will be used to denote that the ORG-HANDLE provided does not exist.

CUSTOMER SERVICE

From a service perspective, the differences between customers and organizations are minimal. Customers can be made private to keep the contact information hidden. Also, only customers can be used for simple reassignment. Organizations cannot be used for that purpose. See CustomerPayload for further details on the differences between a customer and an organization.

Most service calls in this class will reference the comparable call for organizations. Response codes and behavior will be identical except for the different payload object returned.

Customers should only be created in relation to a network that will be reassigned. Therefore, the creation of a customer is triggered off of a parent network. See the Net Service Create Recipient Customer call under the network services for more information.

GET

Definition	
Method	GET
URL	/rest/customer/CUSTOMERHANDLE?apikey=APIKEY
Content	NONE
Returns	CustomerPayload

Returns the customer details.

MODIFY

Definition	
Method	PUT
URL	/rest/customer/CUSTOMERHANDLE?apikey=APIKEY
Content	CustomerPayload
Returns	CustomerPayload

Modify a customer.

See the organization Org Service Modify for a detailed description of response codes and expected behavior.

DELETE

Definition	
Method	DELETE
URL	/rest/customer/CUSTOMERHANDLE?apikey=APIKEY
Content	NONE
Returns	CustomerPayload

Delete the customer.

See the organization Org Service Delete for a detailed description of response codes and expected behavior.

NET SERVICE

These services provide interaction with your network resources at ARIN.

Please note that these service calls will work with IPv4 and IPv6. The handle provided to any of these services can represent either type.

GET

Definition

Method	GET
URL	/rest/net/NETHANDLE?apikey=APIKEY
Content	NONE
Returns	NetPayload

Returns the details for a network.

MODIFY

Definition

Method	PUT
URL	/rest/net/NETHANDLE?apikey=APIKEY
Content	NetPayload
Returns	NetPayload

This call allows you to modify a network record in our database.

DELETE

Definition

Method	DELETE
URL	/rest/net/NETHANDLE?apikey=APIKEY
Content	NONE
Returns	TicketedRequestPayload

This call will remove the network from our database. It is only applicable for reallocations (A) or reassignments (S).

If there are no errors and the network being deleted has no children networks, this method will return a TicketedRequestPayload with an embedded NetPayload with details of the deleted network. If the network being deleted has children, this method will return a TicketedRequestPayload containing the details of the ticket created for the request in a TicketPayload. *If you plan to reissue the space to another customer, please wait until the ticket successfully processes and is closed before reissuing the space.*

During the deletion of a Customer network obtained via a simple reassignment, only the network record will be removed - the Customer record will remain on record. You will need to issue a separate customer delete request to remove the customer record.

If an organization would like to return a direct assignment (DS) or direct allocation (DA), this is done through the "Ask ARIN" functionality when logged into ARIN Online. You will receive an ErrorPayload if you attempt to use this REST service to return a direct assignments (DS) or direct allocations (DA) network.

CREATE RECIPIENT ORG

Definition	
Method	POST
URL	/rest/net/PARENTNETHANDLE/org?apikey=APIKEY
Content	OrgPayload
Returns	OrgPayload

This method should be used to create downstream organizations with customer contact information to which you will reassign or reallocate (SWIP) network address space. If you are wanting to request resources directly from ARIN, use the organization Org Service Create.

This call will create an organization record based on the payload provided. Once the organization has been created, a new payload will be constructed and returned showing what was committed to the database. This returned payload will also contain the new Org handle that was created.

This call must include the PARENT-NET-HANDLE of the network from which you will be reassigning or reallocating space.

In order for this method to succeed, one of the following three conditions must be met:

1. The API Key must belong to a Web User that is associated with the Tech POC of the Network specified by PARENT-NET-HANDLE.
2. The API Key must belong to a Web User that is associated with the Tech POC of the Org to which the network indicated by PARENT-NET-HANDLE is allocated.
3. The API Key must belong to a Web User that is associated with the Admin POC of the Org to which the network indicated by PARENT-NET-HANDLE is allocated.

CREATE RECIPIENT CUSTOMER

Definition	
Method	POST
URL	/rest/net/PARENTNETHANDLE/customer?apikey=APIKEY
Content	CustomerPayload
Returns	CustomerPayload

This method should be used to create downstream customer organizations without customer contact information to which you will reassign network address space. If you are wanting to request resources directly from ARIN, use the organization Org Service Create.

This call will create a customer organization record based on the payload provided. Once the customer organization has been created, a new payload will be constructed and returned showing what was committed to the database. This returned payload will also contain the new Customer handle that was created.

This call must include the PARENT-NET-HANDLE of the network from which you will be reassigning or reallocating space.

In order for this method to succeed, one of the following three conditions must be met:

1. The API Key must belong to a Web User that is associated with the Tech POC of the Network specified by PARENT-NET-HANDLE.
2. The API Key must belong to a Web User that is associated with the Tech POC of the Org to which the network indicated by PARENT-NET-HANDLE is allocated.

3. The API Key must belong to a Web User that is associated with the Admin POC of the Org to which the network indicated by PARENT-NET-HANDLE is allocated.

REASSIGN

Definition	
Method	PUT
URL	/rest/net/PARENTNETHANDLE/reassign?apikey=APIKEY
Content	NetPayload
Returns	TicketedRequestPayload

This method performs a reassignment for a network. It handles both detailed and simple reassignments.

This method will take a NetPayload object and use it to reassign a portion of the parent network defined by PARENT-NET-HANDLE. This service call should be used if the space is being given to a customer for their own use and will not be reallocated or reassigned further.

There are two types of reassignments that can take place: simple and detailed.

A simple reassignment is used when allocating resources to a Customer Org (i.e. an Org without customer contact information). You can create a Customer Org via Net Service Create Recipient Customer. The Customer Org to which resources are reassigned will use the POC records of the parent Org. A simple reassignment is performed when a customerHandle is given in the NetPayload that is submitted to the service.

A detailed reassignment is used when allocating resources to a Recipient Org (i.e. an Org with customer contact information). You can create a Recipient Org via Net Service Create Recipient Org. A detailed reassignment is performed when an orgHandle is given in the NetPayload that is submitted to the service.

If there are no errors, this method will return a TicketedRequestPayload. If the reassignment can be auto-processed, this TicketedRequestPayload will have an embedded NetPayload with the details of the reassignment.

If the request cannot be auto-processed, the TicketedRequestPayload returned will have an embedded TicketPayload containing the details of the ticket created for the request.

If a reassignment cannot be processed, the reason for rejection will be returned in an ErrorPayload. This method will return a 409 Conflict if the network block specified in the payload isn't a part of the PARENT-NET-HANDLE from the URL. It will return a 403 Forbidden if the PARENT-NET-HANDLE isn't associated with the API Key specified or if the block specified by the payload cannot be reassigned.

A simple reassignment is rejected if:

1. The customer handle provided does not exist
2. POCs are associated to the Simple Reassign Network.
3. Net name contains characters that are not letters, numbers, hyphens or spaces.
4. Parent network does not exist.
5. Parent network has a status other than active.
6. Parent network does not have a network of type DA or A.
7. IP addresses within the range extend beyond that of the Parent network.
8. IP addresses within the range overlap with existing reservations or registrations that have the same parent.
9. API Key used is not associated with a web user who is linked to an Admin or Tech POC for the parent network's org record or to a Tech poc for the parent network.
10. API Key is not active.
11. The reassignment request is smaller than /64 for IPv6 space

A detailed reassign is rejected if:

1. The org handle provided does not exist

2. The organization provided does not have an Admin and at least one Tech POC and at least one Abuse POC.
3. POCs are associated to the Detailed Reassign Network. POC relationships are not allowed to be added during network creation.
4. Net name contains characters that are not letters, numbers, hyphens or spaces.
5. Parent network does not exist.
6. Parent network has a status other than active.
7. Parent network does not have a network of type DA or A.
8. IP addresses within the range extend beyond that of the Parent network.
9. IP addresses within the range overlap with existing reservations or registrations that have the same parent.
10. API Key used is not associated with a web user who is linked to an Admin or Tech POC for the parent network's org record or to a Tech poc for the parent network.
11. API Key is not active.

REALLOCATE

Definition	
Method	PUT
URL	/rest/net/PARENTNETHANDLE/reallocate?apikey=APIKEY
Content	NetPayload
Returns	TicketedRequestPayload

This service method performs a reallocation of a network. This service call should be used if you're reallocating space to allow your customer to reassign or reallocate it further. If there are no errors, this method will return a TicketedRequestPayload.

If the reallocation can be auto-processed, this TicketedRequestPayload will have an embedded NetPayload with the details of the reallocation.

If the request cannot be auto-processed, the TicketedRequestPayload returned will have an embedded TicketPayload containing the details of the ticket created for the request.

If a reallocation can not be processed, the reason for rejection will be returned in an ErrorPayload. This method will return a 409 Conflict if the network block specified in the payload isn't a part of the PARENT-NET-HANDLE from the URL. It will return a 403 Forbidden if the PARENT-NET-HANDLE isn't associated with the API Key specified or if the block specified by the payload cannot be reallocated. Reallocations will be auto-rejected if:

1. The org handle provided does not exist
2. The organization provided does not have an Admin and at least one Tech POC and at least one Abuse POC
3. POCs are associated to the Reallocated Network. POC relationships are not allowed to be added during network creation.
4. Net name contains characters that are not letters, numbers, hyphens or spaces.
5. Parent network does not exist.
6. Parent network has a status other than active.
7. Parent network does not have a network of type DA or A.
8. IP addresses within the range extend beyond that of the Parent network.
9. IP addresses within the range overlap with existing reservations or registrations that have the same parent.
10. API Key used is not associated with a web user who is linked to an Admin or Tech POC for the parent network's org record or to a Tech poc for the parent network.
11. API Key is not active.

GET DELEGATIONS

Definition	
Method	GET
URL	/rest/net/NETHANDLE/delegations?apikey=APIKEY
Content	NONE
Returns	PayloadList

Returns a list of delegation payloads for the specified network.

DELEGATION SERVICE

GET

Definition	
Method	GET
URL	/rest/delegation/DELEGATIONNAME?apikey=APIKEY
Content	NONE
Returns	DelegationPayload

Returns the details of a network delegation.

MODIFY

Definition	
Method	PUT
URL	/rest/delegation/DELEGATIONNAME?apikey=APIKEY
Content	DelegationPayload
Returns	DelegationPayload

Modify the details of a network delegation. Your changes will take effect in the DNS within 24 hours.

ADD NAMESERVER

Definition	
Method	POST
URL	/rest/delegation/DELEGATIONNAME/nameserver/NAMESERVER?apikey=APIKEY
Content	NONE
Returns	DelegationPayload

Add a single nameserver to the network delegation.

Nameservers must be unique. A 409 Conflict status code will be returned if the nameserver that is being added already exists for the delegation.

If the addition is successful, this service will return a delegation payload containing the current state of the delegation after the nameserver has been added.

Your changes will take effect in the DNS within 24 hours.

DELETE NAMESERVER

Definition	
Method	DELETE
URL	/rest/delegation/DELEGATIONNAME/nameserver/NAMESERVER?apikey=APIKEY
Content	NONE
Returns	DelegationPayload

Delete a single nameserver from the network delegation.

A delegation must have at least one nameserver if it has Delegation Signer (DS) records. If the delegation from which this nameserver is being removed has DS records, and an attempt is made to remove the last nameserver, this method will return a 409 Conflict status code to notify the user that the system was unable to process this request.

If the delete is successful, this service will return a delegation payload containing the current state of the delegation after the nameserver has been removed.

Your changes will take effect in the DNS within 24 hours.

DELETE NAMESERVERS

Definition	
Method	DELETE
URL	/rest/delegation/DELEGATIONNAME/nameservers?apikey=APIKEY
Content	NONE
Returns	DelegationPayload

Delete **all** nameservers from the network delegation.

A delegation must have at least one nameserver if it has Delegation Signer (DS) records. If the delegation from which the nameservers are being removed has DS records, this method will return a 409 Conflict status code to notify the user that the system was unable to process this request.

If the delete is successful, this service will return a delegation payload containing the current state of the delegation – there will be no nameservers.

Your changes will take effect in the DNS within 24 hours.

TICKET SERVICE

Ticket details can be queried using a number of different services, and they are not limited to interaction with tickets started via RESTful calls. Any ticket related to your ARIN Online account (except W-series tickets) can be accessed via these services. For example, if you initiated an Ask ARIN ticket while logged in to ARIN Online, it can be accessed with these services.

When specifying a ticket number in the URL or as a parameter for any calls, please use this format: 20090526-X1.

GET TICKET DETAILS

Definition	
Method	GET
URL	/rest/ticket/TICKETNUMBER?apikey=APIKEY&msgRefs=MSGREFS
Content	NONE
Returns	TicketPayload

This method returns a TicketPayload which contains the details of the ticket specified.

msgRefs is an optional boolean (true/false) parameter. When *true*, message reference element(s) are returned instead of message element(s).

If the specified ticket has attachments whose combined size total more than the allowed threshold, you will receive a "413" status code and an ErrorPayload denoting the attachment size limit has been exceeded. For these tickets, you may want to specify the *msgRefs* parameter as *true*. You can then use the results and issue a GetMessage call for the message information or GetAttachment call to get a specific attachment.

GET TICKET SUMMARY

Definition	
Method	GET
URL	/rest/ticket/TICKETNUMBER/summary?apikey=APIKEY
Content	NONE
Returns	TicketPayload

This method returns a TicketPayload without any messages.

GET TICKETS

Definition	
Method	GET
URL	/rest/ticket;ticketType=TICKETTYPE;ticketStatus=TICKETSTATUS?apikey=APIKEY&msgRefs=MSGREFS
Content	NONE
Returns	PayloadList

This call will list all of the tickets associated with this API key. Any ticket related to your ARIN Online account (except W-series tickets) can be accessed via these services. For example, if you initiated an Ask ARIN ticket while logged in to ARIN Online, it can be accessed with these services.

msgRefs is an optional boolean (true/false) parameter. When *true*, message reference element(s) are returned instead of message element(s).

If the returned tickets have attachments whose combined size totals more than the allowed threshold, you will receive a "413" status code and an ErrorPayload indicating that the attachment size limit has been exceeded. In this case, you may want to specify the *msgRefs* parameter as *true*. You can then use the results and issue a GetMessage call for the message information or GetAttachment call to get a specific attachment.

GET TICKET SUMMARIES

Definition

Method	GET
URL	/rest/ticket/summary;ticketType=TICKETTYPE;ticketStatus=TICKETSTATUS?apikey=APIKEY
Content	NONE
Returns	PayloadList

This call will list all of the tickets associated with this API key without message information included. Any ticket related to your ARIN Online account (except W-series tickets) can be accessed via these services. For example, if you initiated an Ask ARIN ticket while logged in to ARIN Online, it can be accessed with these services.

GET MESSAGE

Definition

Method	GET
URL	/rest/ticket/TICKETNUMBER/message/MESSAGEID?apikey=APIKEY
Content	NONE
Returns	MessagePayload

This method returns a MessagePayload for the specified message. The payload will contain AttachmentReferencePayloads rather than directly containing the attachments. This can be followed by a GetAttachment call to download a specific attachment using the AttachmentID specified in the returned MessagePayload.

Erika Goedrich 3/22/12 9:32 AM
Deleted: In the future, ARIN will introduce a new call allowing the download of a specific attachment using the AttachmentID specified in this payload.

GET ATTACHMENT

Definition

Method	GET
URL	/rest/ticket/TICKETNUMBER/message/MESSAGEID/attachment/ATTACHMENTID?apikey=APIKEY
Content	NONE
Returns	Response

This method returns the contents of the attachment.

Note: HTTP Header Content-Disposition will include the filename and Content-Type will be 'application/octet-stream'.

ADD MESSAGE

Definition

Method	PUT
URL	/rest/ticket/TICKETNUMBER/message?apikey=APIKEY
Content	MessagePayload
Returns	MessagePayload

Adds a message to the ticket specified. This should be used to add any additional information to a ticket. Files may be attached using this service.

You are not allowed to add a message to a ticket with the status of CLOSED.

MODIFY

Definition	
Method	PUT
URL	/rest/ticket/TICKETNUMBER?apikey=APIKEY
Content	TicketPayload
Returns	TicketPayload

This call will modify a ticket. The only field which is modifiable is the status and it can only be set to CLOSED if the ticket is already RESOLVED. All other calls to this will result in an error stating that you cannot modify the element.

REPORT SERVICE

This service provides the ability to request reports.

GET WHOWAS ASN REPORT

Definition	
Method	GET
URL	/rest/report/whoWas/asn/ASNUMBER?apikey=APIKEY
Content	NONE
Returns	TicketPayload

ARIN's WhoWas service provides authorized users access to historical registration information for a given IP address or ASN. This call will allow you to request a WhoWas Report for the ASNUMBER you specify.

If successful, a TicketPayload will be returned. You can then use calls specified within the Ticket Service above to check the status of the ticket and get the attached report. Depending on system usage, the time needed to produce the report may vary.

The APIKEY used in the request must belong to an ARIN Online user who is authorized to access WhoWas reports. The authorization process is described at: https://www.arin.net/resources/whowas/

An attempt to request a WhoWas Report by an unauthorized user will result in an HTTP 401 (unauthorized) response containing an E_AUTHENTICATION ErrorPayload. Invalid or inactivated APIKEYs will result in an HTTP 400 (bad request) response.

Your APIKEY does not need to be linked to a POC associated with the ASN; you can request a WhoWas Report for any ASN.

GET WHOWAS NET REPORT

Definition	
Method	GET
URL	/rest/report/whoWas/net/IPADDRESS?apikey=APIKEY
Content	NONE
Returns	TicketPayload

ARIN's WhoWas service provides authorized users access to historical registration information for a given IP address or ASN. This call will allow you to request a WhoWas Report for the IPADDRESS. The address must be specified as an IPv4 or IPv6 address (192.0.2.0 or 2001:DB8::), NOT a handle (NET-192-0-2-0-1) or a CIDR prefix (192.0.2.0/24 or 2001:DB8::/32).

If successful, a TicketPayload will be returned. You can then use calls specified within the Ticket Service above to check the status of the ticket and get the attached report. Depending on system usage, the time needed to produce the report may vary.

The APIKEY used in the request must belong to an ARIN Online user who is authorized to access WhoWas reports. The authorization process is described at: https://www.arin.net/resources/whowas/

An attempt to request a WhoWas Report by an unauthorized user will result in an HTTP 401 (unauthorized) response containing an E_AUTHENTICATION ErrorPayload. Invalid or inactivated APIKEYs will result in an HTTP 400 (bad request) response.

Your APIKEY does not need to be linked to a POC associated with the IP Address; you can request a WhoWas Report for any IP Address.

GET ASSOCIATIONS REPORT

Definition	
Method	GET
URL	/rest/report/associations?apikey=APIKEY
Content	NONE
Returns	TicketPayload

An Associations Report provides:

- o A list of all POCs your ARIN Web account is linked to
- o A list of all organizations those POCs are associated with
- o A list of all number resources those POCs are associated with directly or through the organization
- o The roles served by the POCs on each organization and resource (e.g. Org Admin, Resource Tech)

This call will allow you to request an Associations Report.

If successful, a TicketPayload will be returned. You can then use calls specified within the Ticket Service above to check the status of the ticket and get the attached report. Depending on system usage, the time needed to produce the report may vary.

The APIKEY used in the request must belong to your ARIN Online account. Invalid or inactivated APIKEYs will result in an HTTP 400 (bad request) response.

GET REASSIGNMENT REPORT

Definition	
Method	GET
URL	/rest/report/reassignment/NETHANDLE?apikey=APIKEY
Content	NONE
Returns	TicketPayload

A Reassignment Report lists all sub-delegations for the requested NETHANDLE, as registered in ARIN's Whois directory service via SWIP. ARIN provides Reassignment Reports for IPv4 networks that are a Direct Allocations or Reallocations.

This call will allow you to request a Reassignments Report for the specified NETHANDLE.

If successful, a TicketPayload will be returned. You can then use calls specified within the Ticket Service above to check the status of the ticket and get the attached report. Depending on system usage, the time needed to produce the report may vary.

ARIN provides Reassignment Reports for IPv4 networks that are a Direct Allocations or Reallocations. An attempt to request a report for any other type of network will result in an HTTP 400 (bad request) response.

The APIKEY used in the request must belong to an ARIN Online user that is linked to a POC authoritative for the requested network. An attempt to request a Reassignments Report for which such a link does not exist will result in an HTTP 401 (unauthorized) response containing an E_AUTHENTICATION ErrorPayload. Invalid or inactivated APIKEYs will result in an HTTP 400 (bad request) response.