



ARIN REGISTRATION CORE SERVICES API - REST Payloads Documentation

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POCPAYLOAD

The PocPayload structure provides access to the subset of the POC data available via templates or ARIN Online.

Note: The element name iso3166-2 represents the ISO standard for the state/province code for the ISO3166-1 countries.

The comment element can be used to display information on an object in ARIN's Whois. All comments must be operational in nature. All comments must be accurate. ARIN reserves the right to edit or remove public comments.

Suggested comments are:

<http://www.example.net>

Standard NOC hours are 7am to 11pm EST

The following fields are immutable:

- contactType
- firstName
- middleName
- lastName

These fields cannot be modified. When performing a modify, if you include these fields with a different value from the original, or omit them entirely, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest values for these fields.

The following fields are system generated:

- registrationDate
- handle

Erika Goedrich 8/10/11 9:41 AM

Deleted: may only be set during creation. After the initial set, they

These fields will be set by our registration system and may not be set or modified by you. When performing a create, omit these fields or leave them blank in your payload.

When performing a modify, if you include these fields with a different value from the original, omit them entirely, or leave them blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

ContactType	Usage
PERSON	Used to represent a person contact type.
ROLE	Used to represent a role contact type.

PAYLOAD

```
<poc xmlns="http://www.arin.net/regrws/core/v1" >
  <iso3166-2></iso3166-2>
  <iso3166-1>
    <name></name>
    <code2></code2>
    <code3></code3>
    <e164></e164>
  </iso3166-1>
  <emails>
    <email></email>
  </emails>
  <streetAddress>
    <line number = ""></line>
  </streetAddress>
  <city></city>
  <postalCode></postalCode>
  <comment>
    <line number = ""></line>
  </comment>
  <registrationDate></registrationDate>
  <handle></handle>
  <contactType>[PERSON, ROLE]</contactType>
  <companyName></companyName>
  <firstName></firstName>
  <middleName></middleName>
  <lastName></lastName>
  <phones>
    <phone>
      <type>
        <description></description>
        <code>[O, F, M]</code>
      </type>
      <number></number>
      <extension></extension>
    </phone>
  </phones>
</poc>
```

EXAMPLE PAYLOAD

```
<poc xmlns="http://www.arin.net/regrws/core/v1" >
  <iso3166-2>VA</iso3166-2>
```

```

<iso3166-1>
  <name>UNITED STATES</name>
  <code2>US</code2>
  <code3>USA</code3>
  <e164>1</e164>
</iso3166-1>
<emails>
  <email>you@example.com</email>
</emails>
<streetAddress>
  <line number = "1">Line 1</line>
</streetAddress>
<city>Chantilly</city>
<postalCode>20151</postalCode>
<comment>
  <line number = "1">Line 1</line>
</comment>
<registrationDate>Tue Jan 25 16:17:18 EST 2011</registrationDate>
<handle>ARIN-HOSTMASTER</handle>
<contactType>PERSON</contactType>
<companyName>COMPANYNAME</companyName>
<firstName>FIRSTNAME</firstName>
<middleName>MIDDLENAME</middleName>
<lastName>LASTNAME</lastName>
<phones>
  <phone>
    <type>
      <description>DESCRIPTION</description>
      <code>0</code>
    </type>
    <number>+1.703.227.9840</number>
    <extension>101</extension>
  </phone>
</phones>
</poc>

```

PHONEPAYLOAD

The PhonePayload structure provides access to the phone related data available via templates or ARIN Online. The PhonePayload is used by the PocPayload and as a standalone structure by the PocService method Poc Service Add Phone.

The number field should be in NANP format if applicable. The extension is optional and can be left blank or not included in the payload.

PAYLOAD

```

<phone xmlns="http://www.arin.net/regrws/core/v1" >
  <type>
    <description></description>
    <code>[O, F, M]</code>
  </type>
  <number></number>
  <extension></extension>
</phone>

```

EXAMPLE PAYLOAD

```
<phone xmlns="http://www.arin.net/regrws/core/v1" >
  <type>
    <description>DESCRIPTION</description>
    <code>0</code>
  </type>
  <number>+1.703.227.9840</number>
  <extension>101</extension>
</phone>
```

PHONETYPEPAYLOAD

This represents a phone type. It is a nested element of PhonePayload and should not be submitted by itself. The description element will be inferred from the code element. You do not need to set the description element. If you do, it will be ignored.

Code	Usage
O	Used to represent Office phone number.
F	Used to represent Fax phone number.
M	Used to represent Mobile phone number.

PAYLOAD

```
<type xmlns="http://www.arin.net/regrws/core/v1" >
  <description></description>
  <code>[O, F, M]</code>
</type>
```

EXAMPLE PAYLOAD

```
<type xmlns="http://www.arin.net/regrws/core/v1" >
  <description>DESCRIPTION</description>
  <code>0</code>
</type>
```

COUNTRYPAYLOAD

The CountryPayload structure represents a country using the ISO 3166-1 standard for country codes.

The name and e164 elements are not required. You must specify either the code2 or code3 elements. If you specify both, then they must match.

Note: The element name e164 represents the ITU-T E.164 international calling code.

PAYLOAD

```
<iso3166-1 xmlns="http://www.arin.net/regrws/core/v1" >
  <name></name>
  <code2></code2>
  <code3></code3>
  <e164></e164>
```

```
</iso3166-1>
```

EXAMPLE PAYLOAD

```
<iso3166-1 xmlns="http://www.arin.net/regrws/core/v1" >  
  <name>UNITED STATES</name>  
  <code2>US</code2>  
  <code3>USA</code3>  
  <e164>1</e164>  
</iso3166-1>
```

ORGPAYLOAD

The OrgPayload structure provides access to the subset of the Organization data available via templates or ARIN Online.

Note: The element name iso3166-2 represents the ISO standard for the state/province code for the ISO3166-1 countries.

The element name orgURL is meant for a Referral Whois (RWhois) server hostname and port, **not** for the URL of the company's website. RWhois is a protocol typically run on port 4321 and is described in RFC 2167.

The comment element can be used to display information on an object in ARIN's Whois. All comments must be operational in nature. All comments must be accurate. ARIN reserves the right to edit or remove public comments.

Suggested comments are:

http://www.example.net

Standard NOC hours are 7am to 11pm EST

The following fields are immutable:

- orgName
- dbaName

These fields cannot be modified. When performing a modify, if you include these fields with a different value from the original, or omit them entirely, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest values for these fields.

The following fields are system generated:

- registrationDate
- handle

These fields will be set by our registration system and may not be set or modified by you. When performing a create, omit these fields or leave them blank in your payload.

When performing a modify, if you include these fields with a different value from the original, omit them entirely, or leave them blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

PAYLOAD

```
<org xmlns="http://www.arin.net/regrws/core/v1" >  
  <iso3166-1>  
    <name></name>  
    <code2></code2>  
    <code3></code3>  
    <e164></e164>  
  </iso3166-1>  
  <streetAddress>
```

Erika Goedrich 8/10/11 9:44 AM

Deleted: may only be set during creation. After the initial set, they

```

    <line number = ""></line>
  </streetAddress>
  <city></city>
  <iso3166-2></iso3166-2>
  <postalCode></postalCode>
  <comment>
    <line number = ""></line>
  </comment>
  <registrationDate></registrationDate>
  <handle></handle>
  <orgName></orgName>
  <dbaName></dbaName>
  <taxId></taxId>
  <orgUrl></orgUrl>
  <pocLinks>
    <pocLinkRef>
      </pocLinkRef>
    </pocLinks>
  </org>

```

EXAMPLE PAYLOAD

```

<org xmlns="http://www.arin.net/regrws/core/v1" >
  <iso3166-1>
    <name>UNITED STATES</name>
    <code2>US</code2>
    <code3>USA</code3>
    <e164>1</e164>
  </iso3166-1>
  <streetAddress>
    <line number = "1">Line 1</line>
  </streetAddress>
  <city>Chantilly</city>
  <iso3166-2>VA</iso3166-2>
  <postalCode>20151</postalCode>
  <comment>
    <line number = "1">Line 1</line>
  </comment>
  <registrationDate>Tue Jan 25 16:17:18 EST 2011</registrationDate>
  <handle>ARIN</handle>
  <orgName>ORGNAME</orgName>
  <dbaName>DBANAME</dbaName>
  <taxId>TAXID</taxId>
  <orgUrl>ORGURL</orgUrl>
  <pocLinks>
    <pocLinkRef>
      </pocLinkRef>
    </pocLinks>
  </org>

```

POCLINKPAYLOAD

This represents a poc link. The description will be determined by the function. You do not need to set the description on the payload. If you do, it will be discarded.

Note that the Admin ("AD") function is not applicable to network resources.

Function	Usage
AD	Used to represent an Admin Poc.
AB	Used to represent an Abuse Poc.
N	Used to represent an NOC Poc.
T	Used to represent a Tech Poc.

PAYLOAD

```
<pocLinkRef xmlns="http://www.arin.net/regrws/core/v1" description = "", handle =
"", function = "[AD, AB, N, T]">
</pocLinkRef>
```

EXAMPLE PAYLOAD

```
<pocLinkRef xmlns="http://www.arin.net/regrws/core/v1" description = "DESCRIPTION",
handle = "ARIN-HOSTMASTER", function = "AD">
</pocLinkRef>
```

CUSTOMERPAYLOAD

The CustomerPayload structure provides access to the subset of the Customer data available via templates or ARIN Online.

The main difference between the OrgPayload and CustomerPayload is the privateCustomer attribute. If privateCustomer is set to be true then whenever the record is displayed, as associated with a network or other resource, it will appear as "Private Customer." The name and address fields will not be visible to the general public. If the privateCustomer is set to be false then the Customer will be visible as if it were any other Organization record. If no value is specified, your customer will not be private.

Additionally, the CustomerPayload does not have a dbaName, taxId, orgUrl, or any related pocs.

Note: The element name iso3166-2 represents the ISO standard for the state/province code for the ISO3166-1 countries.

The comment element can be used to display information on an object in ARIN's Whois. All comments must be operational in nature. All comments must be accurate. ARIN reserves the right to edit or remove public comments.

Suggested comments are:

<http://www.example.net>

Standard NOC hours are 7am to 11pm EST

The following fields are system generated:

- handle
- registrationDate

These fields will be set by our registration system and may not be set or modified by you. When performing a create, omit these fields or leave them blank in your payload.

When performing a modify, if you include these fields with a different value from the original, omit them entirely, or leave them blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

PAYLOAD

```
<customer xmlns="http://www.arin.net/regrws/core/v1" >
  <customerName></customerName>
  <iso3166-1>
    <name></name>
    <code2></code2>
    <code3></code3>
    <e164></e164>
  </iso3166-1>
  <handle></handle>
  <streetAddress>
    <line number = ""></line>
  </streetAddress>
  <city></city>
  <iso3166-2></iso3166-2>
  <postalCode></postalCode>
  <comment>
    <line number = ""></line>
  </comment>
  <parentOrgHandle></parentOrgHandle>
  <registrationDate></registrationDate>
  <privateCustomer>[true, false]</privateCustomer>
</customer>
```

EXAMPLE PAYLOAD

```
<customer xmlns="http://www.arin.net/regrws/core/v1" >
  <customerName>CUSTOMERNAME</customerName>
  <iso3166-1>
    <name>UNITED STATES</name>
    <code2>US</code2>
    <code3>USA</code3>
    <e164>1</e164>
  </iso3166-1>
  <handle>CUST</handle>
  <streetAddress>
    <line number = "1">Line 1</line>
  </streetAddress>
  <city>Chantilly</city>
  <iso3166-2>VA</iso3166-2>
  <postalCode>20151</postalCode>
  <comment>
    <line number = "1">Line 1</line>
  </comment>
  <parentOrgHandle>PARENTORGHANDLE</parentOrgHandle>
  <registrationDate>Tue Jan 25 16:17:18 EST 2011</registrationDate>
  <privateCustomer>true</privateCustomer>
</customer>
```

NETPAYLOAD

The NetPayload structure provides access to the subset of the Network data available via templates or ARIN Online.

In cases where this payload is being sent to the service, and netBlock is required; you will only need to populate the endAddress or the cidrLength but not both. The service will calculate the other for you. You will receive both the endAddress and cidrLength elements when the payload is a return value from a service.

If you specify a type it must be a valid NetType and it must be the correct type for the action you are trying to perform (reassign or reallocate). If you do not provide a type, it will be determined for you, depending on which service you are calling.

The version element may have a value of "4" or "6". If you specify the version, then it must align with the version of the netBlock's startAddress. If you do not provide the version value, then it will be determined for you based on the startAddress.

The comment element can be used to display information on an object in ARIN's Whois. All comments must be operational in nature. All comments must be accurate. ARIN reserves the right to edit or remove public comments.

Suggested comments are:

http://www.example.net

Standard NOC hours are 7am to 11pm EST

The orgHandle and customerHandle elements are mutually exclusive. Depending on the type of the call this payload is being used for, you will be required to assign either a customer or an organization. Either the orgHandle or the customerHandle will be present at all times. Simple reassignments will rely on the customer; detailed reassignments and reallocations require an organization. See the page on Net Service Reassign for more information.

The following fields are immutable:

- version
- orgHandle
- netBlock
- customerHandle
- parentNetHandle

These fields cannot be modified. When performing a modify, if you include these fields with a different value from the original, or omit them entirely, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest values for these fields.

The following fields are system generated:

- registrationDate
- handle

These fields will be set by our registration system and may not be set or modified by you. When performing a create, omit these fields or leave them blank in your payload.

When performing a modify, if you include these fields with a different value from the original, omit them entirely, or leave them blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

PAYLOAD

```
<net xmlns="http://www.arin.net/regrws/core/v1" >
  <version></version>
  <comment>
    <line number = ""></line>
  </comment>
```

Erika Goedrich 8/10/11 9:48 AM

Deleted: may only be set during creation. After the initial set, they

```

<registrationDate></registrationDate>
<orgHandle></orgHandle>
<handle></handle>
<netBlocks>
  <netBlock>
    <type>[A, AF, AP, AR, AV, DA, DS, FX, IR, IU, LN, LX, PV, PX, RD, RN,
RV, RX, S]</type>
    <description></description>
    <startAddress></startAddress>
    <endAddress></endAddress>
    <cidrLength></cidrLength>
  </netBlock>
</netBlocks>
<customerHandle></customerHandle>
<parentNetHandle></parentNetHandle>
<netName></netName>
<originASes>
  <originAS></originAS>
</originASes>
<pocLinks>
  <pocLinkRef>
    </pocLinkRef>
  </pocLinks>
</net>

```

EXAMPLE PAYLOAD

```

<net xmlns="http://www.arin.net/regrws/core/v1" >
  <version>4</version>
  <comment>
    <line number = "1">Line 1</line>
  </comment>
  <registrationDate>Tue Jan 25 16:17:18 EST 2011</registrationDate>
  <orgHandle>ARIN</orgHandle>
  <handle>NET-10-0-0-0-1</handle>
  <netBlocks>
    <netBlock>
      <type>A</type>
      <description>DESCRIPTION</description>
      <startAddress>10.0.0.0</startAddress>
      <endAddress>10.0.0.255</endAddress>
      <cidrLength>24</cidrLength>
    </netBlock>
  </netBlocks>
  <customerHandle>C12341234</customerHandle>
  <parentNetHandle>PARENTNETHANDLE</parentNetHandle>
  <netName>NETNAME</netName>
  <originASes>
    <originAS>AS102</originAS>
  </originASes>
  <pocLinks>
    <pocLinkRef>
      </pocLinkRef>
    </pocLinks>
  </net>

```

NETBLOCKPAYLOAD

The NetBlockPayload structure provides access to net block related data on the Network. The NetBlockPayload is only returned as a part of the NetPayload. See NetPayload for additional details.

The description will be determined by the type. You do not need to set the description on the payload. If you do, it will be discarded.

NetType	Usage
A	Used to represent a Reallocation network.
AF	Used to represent a AFRINIC allocated network.
AP	Used to represent a APNIC allocated network.
AR	Used to represent a ARIN allocated network.
AV	Used to represent a ARIN early reservation network.
DA	Used to represent a Direct Allocation network.
DS	Used to represent a Direct Assignment network.
FX	Used to represent a AFRINIC transferred network.
IR	Used to represent a IANA reserved network.
IU	Used to represent a IANA special use network.
LN	Used to represent a LACNIC allocated network.
LX	Used to represent a LACNIC transferred network.
PV	Used to represent a APNIC early reservation network.
PX	Used to represent a APNIC early registration network.
RD	Used to represent a RIPE NCC allocated network.
RN	Used to represent a RIPE allocated network.
RV	Used to represent a RIPE early reservation network.
RX	Used to represent a RIPE NCC Transferred network.
S	Used to represent a Reassigned network.

PAYLOAD

```
<netBlock xmlns="http://www.arin.net/regrws/core/v1" >
  <type>[A, AF, AP, AR, AV, DA, DS, FX, IR, IU, LN, LX, PV, PX, RD, RN, RV, RX,
S]</type>
  <description></description>
  <startAddress></startAddress>
  <endAddress></endAddress>
  <cidrLength></cidrLength>
</netBlock>
```

EXAMPLE PAYLOAD

```
<netBlock xmlns="http://www.arin.net/regrws/core/v1" >
  <type>A</type>
  <description>DESCRIPTION</description>
  <startAddress>10.0.0.0</startAddress>
  <endAddress>10.0.0.255</endAddress>
  <cidrLength>24</cidrLength>
</netBlock>
```

DELEGATIONPAYLOAD

The DelegationPayload structure provides access to the data available for network delegations.

The following field is system generated:

- name

This field will be set by our registration system and may not be set or modified by you.

When performing a modify, if you include this field with a different value from the original, omit it entirely, or leave it blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

PAYLOAD

```
<delegation xmlns="http://www.arin.net/regrws/core/v1" >
  <name></name>
  <delegationKeys>
    <delegationKey>
      <algorithm name = ""></algorithm name>
      <digest></digest>
      <digestType name = ""></digestType>
      <keyTag></keyTag>
    </delegationKey>
  </delegationKeys>
  <nameservers>
    <nameserver></nameserver>
  </nameservers>
</delegation>
```

EXAMPLE PAYLOAD

```
<delegation xmlns="http://www.arin.net/regrws/core/v1" >
  <name>0.76.in-addr.arpa</name>
  <delegationKeys>
    <delegationKey>
      <algorithm name = "RSA/SHA-1">5</algorithm name>
      <digest>0DC99D4B6549F83385214189CA48DC6B209ABB71</digest>
      <digestType name = "SHA-1">1</digestType>
      <keyTag>264</keyTag>
    </delegationKey>
  </delegationKeys>
  <nameservers>
    <nameserver>NS1.DOMAIN.COM</nameserver>
    <nameserver>NS2.DOMAIN.COM</nameserver>
  </nameservers>
</delegation>
```

```
</nameservers>
</delegation>
```

DELEGATIONKEYPAYLOAD

The DelegationKeyPayload structure provides access to the key data available via ARIN Online.

The algorithm name and digest type name values will be determined by the element value. You do not need to set the name on the payload. If you do, it will be discarded.

The valid values for the **algorithm** element are:

- 5
- 7
- 8

The valid values for the **digest type** element are:

- 1
- 2

PAYLOAD

```
<delegationKey xmlns="http://www.arin.net/regrws/core/v1" >
  <algorithm name = ""></algorithm name>
  <digest></digest>
  <digestType name = ""></digestType>
  <keyTag></keyTag>
</delegationKey>
```

EXAMPLE PAYLOAD

```
<delegationKey xmlns="http://www.arin.net/regrws/core/v1" >
  <algorithm name = "RSA/SHA-1">5</algorithm name>
  <digest>0DC99D4B6549F83385214189CA48DC6B209ABB71</digest>
  <digestType name = "SHA-1">1</digestType>
  <keyTag>264</keyTag>
</delegationKey>
```

TICKETEDREQUESTPAYLOAD

The TicketedRequestPayload structure provides access to either a net or a ticket. In the event a service call is made that can result in a network being returned or a ticket being returned, a TicketedRequestPayload is returned. Only one of these elements will be present.

Currently, the only instance in which this occurs is a SWIP. If your reallocation or reassignment meets the conditions for auto processing, the TicketedRequest payload will have an embedded NetPayload representing the net that was created as a result of your request. If your reallocation or reassignment does not meet the conditions for auto processing, the TicketRequestPayload will have an embedded TicketPayload representing the ticket that was created for your request. See the Net Service Reassign and Net Service Reallocate for more details.

PAYLOAD

```
<ticketedRequest xmlns="http://www.arin.net/regrws/core/v1" >
  <ticket>
    <messages>
      <message>
        <subject></subject>
        <text>
          <line number = ""></line>
        </text>
        <category>[NONE, JUSTIFICATION]</category>
        <attachments>
          <attachment>
            <data></data>
            <filename></filename>
          </attachment>
        </attachments>
      </message>
    </messages>
    <ticketNo></ticketNo>
    <createdDate></createdDate>
    <resolvedDate></resolvedDate>
    <closedDate></closedDate>
    <updatedAt></updatedAt>
    <webTicketType>[POC_RECOVERY, QUESTION, ASSOCIATIONS_REPORT,
REASSIGNMENT_REPORT, ORG_CREATE, EDIT_ORG_NAME, ORG_RECOVERY,
TRANSFER LISTING_SERVICE, IPV4_SIMPLE_REASSIGN, IPV4_DETAILED_REASSIGN,
IPV4_REALLOCATE, IPV6_DETAILED_REASSIGN, IPV6_REALLOCATE, NET_DELETE_REQUEST,
ISP_IPV4_REQUEST, ISP_IPV6_REQUEST, CREATE_RESOURCE_CERTIFICATE, CREATE_ROA,
END_USER_IPV4_REQUEST, END_USER_IPV6_REQUEST, ASN_REQUEST,
EDIT BILLING CONTACT INFO, ANY]</webTicketType>
    <webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED,
IN_PROGRESS, RESOLVED, CLOSED, APPROVED, ANY, ANY_OPEN]</webTicketStatus>
    <webTicketResolution>[ACCEPTED, DENIED, ABANDONED, ANSWERED, PROCESSED,
DUPLICATE, WITHDRAWN, UNSUCCESSFUL, OTHER]</webTicketResolution>
  </ticket>
  <net>
    <version></version>
    <comment>
      <line number = ""></line>
    </comment>
    <registrationDate></registrationDate>
    <orgHandle></orgHandle>
    <handle></handle>
    <netBlocks>
      <netBlock>
        <type>[A, AF, AP, AR, AV, DA, DS, FX, IR, IU, LN, LX, PV, PX, RD,
RN, RV, RX, S]</type>
        <description></description>
        <startAddress></startAddress>
        <endAddress></endAddress>
        <cidrLength></cidrLength>
      </netBlock>
    </netBlocks>
    <customerHandle></customerHandle>
    <parentNetHandle></parentNetHandle>
    <netName></netName>
  </net>
</ticketedRequest>
```

```

    <originASes>
      <originAS></originAS>
    </originASes>
    <pocLinks>
      <pocLinkRef>
      </pocLinkRef>
    </pocLinks>
  </net>
</ticketedRequest>

```

EXAMPLE PAYLOAD(S)

```

<ticketedRequest xmlns="http://www.arin.net/regrws/core/v1" >
  <ticket>
    <messages>
      <message>
        <subject>SUBJECT</subject>
        <text>
          <line number = "1">Line 1</line>
        </text>
        <category>NONE</category>
        <attachments>
          <attachment>
            <data>DATA</data>
            <filename>FILENAME</filename>
          </attachment>
        </attachments>
      </message>
    </messages>
    <ticketNo>TICKETNO</ticketNo>
    <createdDate>Tue Jan 25 16:17:18 EST 2011</createdDate>
    <resolvedDate>Tue Jan 25 16:17:18 EST 2011</resolvedDate>
    <closedDate>Tue Jan 25 16:17:18 EST 2011</closedDate>
    <updatedAt>Tue Jan 25 16:17:18 EST 2011</updatedAt>
    <webTicketType>POC_RECOVERY</webTicketType>
    <webTicketStatus>PENDING_CONFIRMATION</webTicketStatus>
    <webTicketResolution>ACCEPTED</webTicketResolution>
  </ticket>
</ticketedRequest>

```

```

<ticketedRequest xmlns="http://www.arin.net/regrws/core/v1" >
  <net>
    <version>4</version>
    <comment>
      <line number = "1">Line 1</line>
    </comment>
    <registrationDate>Tue Jan 25 16:17:18 EST 2011</registrationDate>
    <orgHandle>ARIN</orgHandle>
    <handle>NET-10-0-0-1</handle>
    <netBlocks>
      <netBlock>
        <type>A</type>
        <description>DESCRIPTION</description>
        <startAddress>10.0.0.0</startAddress>
        <endAddress>10.0.0.255</endAddress>
        <cidrLength>24</cidrLength>
      </netBlock>
    </netBlocks>
  </net>
</ticketedRequest>

```



```

        </netBlock>
    </netBlocks>
    <customerHandle>C12341234</customerHandle>
    <parentNetHandle>PARENTNETHANDLE</parentNetHandle>
    <netName>NETNAME</netName>
    <originASes>
        <originAS>AS102</originAS>
    </originASes>
    <pocLinks>
        <pocLinkRef>
            </pocLinkRef>
        </pocLinks>
    </net>
</ticketedRequest>

```

TICKETPAYLOAD

The TicketPayload structure provides access to the ticket related data available via templates or ARIN Online. Not all service calls can be auto-processed. Some will require intervention by an ARIN service department. In these cases, this payload will be used to provide you details regarding your request.

The following fields are system generated:

- ticketNo
- createdDate
- resolvedDate
- closedDate
- updatedDate
- webTicketType
- webTicketResolution

These fields will be set by our registration system and may not be set or modified by you. When performing a create, omit these fields or leave them blank in your payload.

When performing a modify, if you include these fields with a different value from the original, omit them entirely, or leave them blank, it will result in an error. It is recommended you perform a fresh GET prior to any modification and make your changes on the payload returned. This will ensure you have the latest system generated values.

WebTicketResolution	Usage
ACCEPTED	Your changes have been accepted by ARIN. This resolution applies to edits, profile updates, etc.
DENIED	Your changes have been denied by ARIN. This resolution applies to edits, profile updates, etc.
ABANDONED	The ticket has been closed because it sat idle, with no interaction from the customer, for too long.
ANSWERED	Your question has been answered. This resolution only applies to questions.
PROCESSED	A long running task has completed execution. This applies to report generation, deletes of large networks, etc.
DUPLICATE	Your request was duplicate to a previously opened ticket.

WebTicketResolution	Usage
WITHDRAWN	Your request was closed by you.
UNSUCCESSFUL	Your request was unsuccessful.
OTHER	If the final state of your ticket doesn't fall into the above categories, it will be marked as OTHER.

WebTicketStatus	Usage
PENDING_CONFIRMATION	An e-mail was sent to you requesting you confirm your e-mail and/or intended action.
PENDING_REVIEW	Your ticket is pending review by an ARIN service department.
ASSIGNED	Your ticket has been assigned to an individual within the ARIN organization.
IN_PROGRESS	Your ticket is being actively worked on by an individual within the ARIN organization. It may be waiting a response from you.
RESOLVED	Your ticket has been resolved. You may request further assistance if it has not been completed to your satisfaction.
CLOSED	Your ticket has been closed and all work completed.
APPROVED	Your ticket has been approved.
ANY	A value to represent all ticket statuses. This value should be used when searching tickets only.
<u>ANY_OPEN</u>	<u>A value to represent all ticket statuses other than CLOSED. This value should be used when searching tickets only.</u>

WebTicketType	Usage
POC_RECOVERY	Type denotes a POC recovery ticket.
QUESTION	Type denotes a question ticket.
ASSOCIATIONS_REPORT	Type denotes an background report process for associations.
REASSIGNMENT_REPORT	Type denotes an background report process for reassignments.
ORG_CREATE	Type denotes an organization create ticket.
EDIT_ORG_NAME	Type denotes an organization name change ticket.
ORG_RECOVERY	Type denotes an organization recovery ticket.
TRANSFER_LISTING_SERVICE	Type denotes a transfer listing service ticket.
IPV4_SIMPLE_REASSIGN	Type denotes an IPv4 simple reassignment request.

WebTicketType	Usage
IPV4_DETAILED_REASSIGN	Type denotes an IPv4 detailed reassignment request.
IPV4_REALLOCATE	Type denotes an IPv4 reallocation request.
IPV6_DETAILED_REASSIGN	Type denotes an IPv6 reassignment request.
IPV6_REALLOCATE	Type denotes an IPv6 reallocation request.
NET_DELETE_REQUEST	Type denotes a background process for net deletion.
ISP_IPV4_REQUEST	Type denotes ISP IPv4 request.
ISP_IPV6_REQUEST	Type denotes ISP IPv6 request.
CREATE_RESOURCE_CERTIFICATE	Type denotes create resource certificate request
CREATE_ROA	Type denotes a create roa request.
END_USER_IPV4_REQUEST	Type denotes an end user IPv4 request.
END_USER_IPV6_REQUEST	Type denotes an end user IPv6 request.
EDIT_BILLING_CONTACT_INFO	Type denotes a Billing Contact Info update request.
ASN_REQUEST	Type denotes an ASN request.
ANY	A value to represent all possible types. This value should be used when searching tickets only.

Erika Goedrich 8/3/11 9:39 AM

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PAYLOAD

```
<ticket xmlns="http://www.arin.net/regrws/core/v1" >
  <messages>
    <message>
      <subject></subject>
      <text>
        <line number = ""></line>
      </text>
      <category>[NONE, JUSTIFICATION]</category>
      <attachments>
        <attachment>
          <data></data>
          <filename></filename>
        </attachment>
      </attachments>
    </message>
  </messages>
  <ticketNo></ticketNo>
  <createdDate></createdDate>
  <resolvedDate></resolvedDate>
  <closedDate></closedDate>
  <updatedAt></updatedAt>
  <webTicketType>[POC_RECOVERY, QUESTION, ASSOCIATIONS_REPORT,
REASSIGNMENT_REPORT, ORG_CREATE, EDIT_ORG_NAME, ORG_RECOVERY,
TRANSFER_LISTING_SERVICE, IPV4_SIMPLE_REASSIGN, IPV4_DETAILED_REASSIGN,
IPV4_REALLOCATE, IPV6_DETAILED_REASSIGN, IPV6_REALLOCATE, NET_DELETE_REQUEST,
ISP_IPV4_REQUEST, ISP_IPV6_REQUEST, CREATE_RESOURCE_CERTIFICATE, CREATE_ROA,
```

```

END_USER_IPV4_REQUEST, END_USER_IPV6_REQUEST, ASN_REQUEST,
EDIT_BILLING_CONTACT_INFO, ANY]</webTicketType>
  <webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED, IN_PROGRESS,
RESOLVED, CLOSED, APPROVED, ANY, ANY_OPEN]</webTicketStatus>
  <webTicketResolution>[ACCEPTED, DENIED, ABANDONED, ANSWERED, PROCESSED,
DUPLICATE, WITHDRAWN, UNSUCCESSFUL, OTHER]</webTicketResolution>
</ticket>

```

EXAMPLE PAYLOAD

```

<ticket xmlns="http://www.arin.net/regrws/core/v1" >
  <messages>
    <message>
      <subject>SUBJECT</subject>
      <text>
        <line number = "1">Line 1</line>
      </text>
      <category>NONE</category>
      <attachments>
        <attachment>
          <data>DATA</data>
          <filename>FILENAME</filename>
        </attachment>
      </attachments>
    </message>
  </messages>
  <ticketNo>TICKETNO</ticketNo>
  <createdDate>Tue Jan 25 16:17:18 EST 2011</createdDate>
  <resolvedDate>Tue Jan 25 16:17:18 EST 2011</resolvedDate>
  <closedDate>Tue Jan 25 16:17:18 EST 2011</closedDate>
  <updatedAtDate>Tue Jan 25 16:17:18 EST 2011</updatedAtDate>
  <webTicketType>POC_RECOVERY</webTicketType>
  <webTicketStatus>PENDING_CONFIRMATION</webTicketStatus>
  <webTicketResolution>ACCEPTED</webTicketResolution>
</ticket>

```

MESSAGEPAYLOAD

This payload was created to support the sending of additional information along with a TicketPayload.

In the future, this payload will need to be expanded further to support different types of messages as well as the ability to send the Activity and Correspondence (A&C) log back with a "GET" ticket. Currently this only supports additional information.

Category	Usage
NONE	Used if there is no category type.
JUSTIFICATION	Used to represent justification message type.

PAYLOAD

```

<message xmlns="http://www.arin.net/regrws/core/v1" >
  <subject></subject>
  <text>
    <line number = ""></line>

```

```
</text>
<category>[NONE, JUSTIFICATION]</category>
<attachments>
  <attachment>
    <data></data>
    <filename></filename>
  </attachment>
</attachments>
</message>
```

EXAMPLE PAYLOAD

```
<message xmlns="http://www.arin.net/regrws/core/v1" >
  <subject>SUBJECT</subject>
  <text>
    <line number = "1">Line 1</line>
  </text>
  <category>NONE</category>
  <attachments>
    <attachment>
      <data>DATA</data>
      <filename>FILENAME</filename>
    </attachment>
  </attachments>
</message>
```

ATTACHMENTPAYLOAD

The AttachmentPayload structure provides a way to add attachments to the TicketPayload.

PAYLOAD

```
<attachment xmlns="http://www.arin.net/regrws/core/v1" >
  <data></data>
  <filename></filename>
</attachment>
```

EXAMPLE PAYLOAD

```
<attachment xmlns="http://www.arin.net/regrws/core/v1" >
  <data>DATA</data>
  <filename>FILENAME</filename>
</attachment>
```

PAYLOADLIST

This payload is used as a container to store multiple payloads and return them back to the customer. This list payload will act as a wrapper for ticket searching, the setting of phones on POCs, etc.

PAYLOAD

```
<collection xmlns="http://www.arin.net/regrws/core/v1" >
  <phone>
    <type>
```

Erika Goedrich 8/4/11 3:43 PM

Deleted: The standard java.util.List cannot be returned via a service call due to limitations in JAX-RS and JAXB.

```

        <description></description>
        <code>[O, F, M]</code>
    </type>
    <number></number>
    <extension></extension>
</phone>
<ticket>
    <messages>
        <message>
            <subject></subject>
            <text>
                <line number = ""></line>
            </text>
            <category>[NONE, JUSTIFICATION]</category>
            <attachments>
                <attachment>
                    <data></data>
                    <filename></filename>
                </attachment>
            </attachments>
        </message>
    </messages>
    <ticketNo></ticketNo>
    <createdDate></createdDate>
    <resolvedDate></resolvedDate>
    <closedDate></closedDate>
    <updatedAt></updatedAt>
    <webTicketType>[POC_RECOVERY, QUESTION, ASSOCIATIONS_REPORT,
REASSIGNMENT_REPORT, ORG_CREATE, EDIT_ORG_NAME, ORG_RECOVERY,
TRANSFER_LISTING_SERVICE, IPV4_SIMPLE_REASSIGN, IPV4_DETAILED_REASSIGN,
IPV4_REALLOCATE, IPV6_DETAILED_REASSIGN, IPV6_REALLOCATE, NET_DELETE_REQUEST,
ISP_IPV4_REQUEST, ISP_IPV6_REQUEST, CREATE_RESOURCE_CERTIFICATE, CREATE_ROA,
END_USER_IPV4_REQUEST, END_USER_IPV6_REQUEST, ASN_REQUEST,
EDIT_BILLING_CONTACT_INFO, ANY]</webTicketType>
    <webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED,
IN_PROGRESS, RESOLVED, CLOSED, APPROVED, ANY, ANY_OPEN]</webTicketStatus>
    <webTicketResolution>[ACCEPTED, DENIED, ABANDONED, ANSWERED, PROCESSED,
DUPLICATE, WITHDRAWN, UNSUCCESSFUL, OTHER]</webTicketResolution>
</ticket>
<delegation>
    <name></name>
    <delegationKeys>
        <delegationKey>
            <algorithm name = ""></algorithm name>
            <digest></digest>
            <digestType name = ""></digestType>
            <keyTag></keyTag>
        </delegationKey>
    </delegationKeys>
    <nameservers>
        <nameserver></nameserver>
    </nameservers>
</delegation>
</collection>

```

EXAMPLE PAYLOAD(S)

Erika Goedrich 8/4/11 3:52 PM
Deleted: <version></version> (1)

Erika Goedrich 8/4/11 3:53 PM
Deleted: phone

```
<collection xmlns="http://www.arin.net/regrws/core/v1" >
  <phone>
    <type>
      <description>DESCRIPTION</description>
      <code>0</code>
    </type>
    <number>+1.703.227.9840</number>
    <extension>101</extension>
  </phone>
</collection>

<collection xmlns="http://www.arin.net/regrws/core/v1" >
  <ticket>
    <messages>
      <message>
        <subject>SUBJECT</subject>
        <text>
          <line number = "1">Line 1</line>
        </text>
        <category>NONE</category>
        <attachments>
          <attachment>
            <data>DATA</data>
            <filename>FILENAME</filename>
          </attachment>
        </attachments>
      </message>
    </messages>
    <ticketNo>TICKETNO</ticketNo>
    <createdDate>Tue Jan 25 16:17:18 EST 2011</createdDate>
    <resolvedDate>Tue Jan 25 16:17:18 EST 2011</resolvedDate>
    <closedDate>Tue Jan 25 16:17:18 EST 2011</closedDate>
    <updatedAt>Tue Jan 25 16:17:18 EST 2011</updatedAt>
    <webTicketType>POC_RECOVERY</webTicketType>
    <webTicketStatus>PENDING_CONFIRMATION</webTicketStatus>
    <webTicketResolution>ACCEPTED</webTicketResolution>
  </ticket>
</collection>

<collection xmlns="http://www.arin.net/regrws/core/v1" >
  <delegation>
    <name>0.76.in-addr.arpa</name>
    <delegationKeys>
      <delegationKey>
        <algorithm name = "RSA/SHA-1">5</algorithm name>
        <digest>0DC99D4B6549F83385214189CA48DC6B209ABB71</digest>
        <digestType name = "SHA-1">1</digestType>
        <keyTag>264</keyTag>
      </delegationKey>
    </delegationKeys>
    <nameservers>
      <nameserver>NS1.DOMAIN.COM</nameserver>
      <nameserver>NS2.DOMAIN.COM</nameserver>
    </nameservers>
  </delegation>
</collection>
```

Erika Goedrich 8/4/11 3:55 PM

Deleted: phone

MULTILINETEXTPAYLOAD

Represents a multiline field, like public comments or address.

PAYLOAD

```
<multiline xmlns="http://www.arin.net/regrws/core/v1" >
  <line number = ""></line>
</multiline>
```

EXAMPLE PAYLOAD

```
<multiline xmlns="http://www.arin.net/regrws/core/v1" >
  <line number = "1">Line 1</line>
</multiline>
```

ERRORPAYLOAD

The ErrorPayload is returned when any service call encounters errors and returns the reason for the error.

Code	Usage
E_SCHEMA_VALIDATION	Denotes that the XML data sent to us didn't pass the RelaxNG schema validation. Please see the schema and try validating your XML content against it prior to sending it to us.
E_ENTITY_VALIDATION	This code represents that the object failed to pass some of our business rule validation. It either was missing fields, had invalid characters, etc.
E_OBJECT_NOT_FOUND	The object you're trying to work with, probably denoted by a handle, was not found in our database.
E_AUTHENTICATION	The API key you're using couldn't be found, wasn't associated with the object or didn't have the proper permissions.
E_NOT_REMOVEABLE	The action taken did not succeed because it's still linked to or associated to other objects in our database. Remove those links/associations first and then try again.
E_BAD_REQUEST	The request you made was invalid. A lot of different things can cause this error, the most common reasons are: a bad URL, invalid parameter types, invalid parameters or your mime type wasn't properly set to application/xml. The source of your error will likely be an error in your client implementation and the error message will provide further details for the fix.
E_OUTAGE	The server is currently undergoing maintenance and is not available
E_UNSPECIFIED	A catch-all error code for unspecified errors. The use of this error code should be limited as it provides very little useful information back to the customer.

PAYLOAD

```
<error xmlns="http://www.arin.net/regrws/core/v1" >
  <message></message>
  <code>[E_SCHEMA_VALIDATION, E_ENTITY_VALIDATION, E_OBJECT_NOT_FOUND,
E_AUTHENTICATION, E_NOT_REMOVEABLE, E_BAD_REQUEST, E_OUTAGE, E_UNSPECIFIED]</code>
  <components>
    <component>
```



```
        <name></name>
        <message></message>
    </component>
</components>
<additionalInfo>
    <message></message>
</additionalInfo>
</error>
```

EXAMPLE PAYLOAD

```
<error xmlns="http://www.arin.net/regrws/core/v1" >
  <message>MESSAGE</message>
  <code>E_SCHEMA_VALIDATION</code>
  <components>
    <component>
      <name>NAME</name>
      <message>MESSAGE</message>
    </component>
  </components>
  <additionalInfo>
    <message>MESSAGE</message>
  </additionalInfo>
</error>
```

COMPONENTERRORPAYLOAD

These represent individual component errors in the ErrorPayload.

PAYLOAD

```
<component xmlns="http://www.arin.net/regrws/core/v1" >
  <name></name>
  <message></message>
</component>
```

EXAMPLE PAYLOAD

```
<component xmlns="http://www.arin.net/regrws/core/v1" >
  <name>NAME</name>
  <message>MESSAGE</message>
</component>
```