

ARIN Registration Core Services API - REST Payloads Documentation

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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.

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 following fields are system generated:

- * handle

* registrationDate,

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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>
  <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>
```

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Erika Goedrich 2/27/11 1:10 PM
Deleted: <state></state>

Erika Goedrich 2/27/11 1:10 PM
Deleted: <countryCode></countryCode>

Erika Goedrich 2/27/11 1:10 PM
Deleted:

Erika Goedrich 2/27/11 1:10 PM
Deleted: 1

Erika Goedrich 2/27/11 1:11 PM
Deleted: <regDate></regDate>

Example Payload

```
<customer>
  <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>

```

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Deleted: HANDLE

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Deleted: </state>

Erika Goedrich 2/27/11 1:15 PM
Deleted: <countryCode>US</countryCode>

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Deleted: <regDate>

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Deleted: </regDate>

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>
  <type>
    <description></description>
    <code>[O, F, M]</code>
  </type>
  <number></number>
  <extension></extension>
</phone>

```

Erika Goedrich 2/27/11 1:17 PM
Deleted: Type
OFFICE ... [1]

Erika Goedrich 2/27/11 1:18 PM
Deleted: <type>[OFFICE, FAX, MOBILE]</type>

Example Payload

```

<phone>
  <type>
    <description>DESCRIPTION</description>
    <code>O</code>
  </type>
  <number>+1.703.227.9840</number>
  <extension>101</extension>

```

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Deleted: <type>OFFICE</type>

</phone>

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 following fields are immutable:

- * orgName
- * dbaName

These fields may only be set during creation. After the initial set, they 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](#)
- * orgHandle

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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>
  <iso3166-1>
    <name></name>
    <code2></code2>
    <code3></code3>
    <e164></e164>
  </iso3166-1>
  <streetAddress>
    <line number = ""></line>
```

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Deleted: 1

```

</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>

```

- Erika Goedrich 2/27/11 1:22 PM
Deleted: <stateProvince></stateProvince>
- Erika Goedrich 2/27/11 1:23 PM
Deleted: -
<countryCode></countryCode>
- Erika Goedrich 2/27/11 1:23 PM
Deleted: 1
- Erika Goedrich 2/27/11 1:24 PM
Deleted: <regDate></regDate>
- Erika Goedrich 2/27/11 1:24 PM
Deleted: <orgHandle></orgHandle>

Example Payload

```

<org>
  <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>

```

- Erika Goedrich 2/27/11 1:26 PM
Deleted: <stateProvince>Virginia</stateProvince>
- Erika Goedrich 2/27/11 1:27 PM
Deleted: -
<countryCode>US</countryCode>
- Erika Goedrich 2/27/11 1:27 PM
Deleted: <regDate>
- Erika Goedrich 2/27/11 1:28 PM
Deleted: </regDate>
- Erika Goedrich 2/27/11 1:28 PM
Deleted: <orgHandle>
- Erika Goedrich 2/27/11 1:28 PM
Deleted: </orgHandle>

```
</pocLinkRef>
</pocLinks>
</org>
```

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

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- * 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.

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Deleted: regDate

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Deleted: netHandle

Payload

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

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Deleted: IPVersion
V4

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Deleted: [V4, V6]

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Deleted: 1

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Deleted: <regDate></regDate>

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Deleted: <netHandle></netHandle>

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Deleted: [REALLOCATED, AFRNIC_ALLOCATED, APNIC_ALLOCATED, ARIN_ALLOCATED, ARIN_EARLY_RESERVATION, DIRECT_ALLOCATION, DIRECT_ASSIGNMENT, AFRNIC_TRANSFERRERD, IANA_RESERVED, IANA_SPECIAL_USE, LACNIC_ALLOCATED, LACNIC_TRANSFERRERD, APNIC_EARLY_RESERVATION, APNIC_EARLY_REGISTRATION, RIPE_NCC_ALLOCATED, RIPE_ALLOCATED, RIPE_EARLY_RESERVATION, RIPE_NCC_TRANSFERRERD, REASSIGNED]

Example Payload

```
<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>
<customerHandle>C12341234</customerHandle>
<parentNetHandle>PARENTNETHANDLE</parentNetHandle>
<netName>NETNAME</netName>
<originASes>
  <originAS>AS102</originAS>
</originASes>
<pocLinks>
  <pocLinkRef>
  </pocLinkRef>
</pocLinks>
</net>

```

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Deleted: v4

Erika Goedrich 2/27/11 1:43 PM
Deleted: <regDate>

Erika Goedrich 2/27/11 1:43 PM
Deleted: </regDate>

Erika Goedrich 2/27/11 1:44 PM
Deleted: <netHandle>

Erika Goedrich 2/27/11 1:44 PM
Deleted: </netHandle>

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Deleted: REALLOCATED

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>
  <ticket>
    <messages>
      <message>
        <subject></subject>
        <text>
          <line number = ""></line>
        </text>
        <category>[NONE, JUSTIFICATION]</category>
        <attachments>
          <attachment></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, ANY]</webTicketType>
    <webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED,
IN_PROGRESS, RESOLVED, CLOSED, APPROVED, ANY]</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,
SI]</type>
```

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Deleted: [V4, V6]

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Deleted: 1

Erika Goedrich 2/27/11 1:49 PM

Deleted: <netHandle></netHandle>

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Deleted: [REALLOCATED, AFRNIC_ALLOCATED, APNIC_ALLOCATED, ARIN_ALLOCATED, ARIN_EARLY_RESERVATION, DIRECT_ALLOCATION, DIRECT_ASSIGNMENT, AFRNIC_TRANSFERRED, IANA_RESERVED, IANA_SPECIAL_USE, LACNIC_ALLOCATED, LACNIC_TRANSFERRED, APNIC_EARLY_RESERVATION, APNIC_EARLY_REGISTRATION, RIPE_NCC_ALLOCATED, RIPE_ALLOCATED, RIPE_EARLY_RESERVATION, RIPE_NCC_TRANSFERRED, REASSIGNED]

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Deleted:]

```
<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>
</ticketedRequest>
```

Example Payload

```
<ticketedRequest>
  <ticket>
    <messages>
      <message>
        <subject>SUBJECT</subject>
        <text>
          <line number = "1">Line 1</line>
        </text>
        <category>NONE</category>
        <attachments>
          <attachment>ATTACHMENT</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>
</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>
<netHandle>NET-10-0-0-1</netHandle>
<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>
</ticketedRequest>

```

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Deleted: v4

Erika Goedrich 2/27/11 1:52 PM
Deleted: <regDate>

Erika Goedrich 2/27/11 1:52 PM
Deleted: </regDate>

Erika Goedrich 2/27/11 1:52 PM
Deleted: REALLOCATED

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 following fields are immutable:

- * contactType
- * firstName
- * middleName
- * lastName

These fields may only be set during creation. After the initial set, they 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](#),

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Deleted: regDate

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.

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Deleted: pocHandle

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

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

Payload

<poc>

[<iso3166-2></iso3166-2>](#)
[<iso3166-1>](#)
[<name></name>](#)
[<code2></code2>](#)
[<code3></code3>](#)
[<e164></e164>](#)
[</iso3166-1>](#)

Erika Goedrich 2/27/11 1:57 PM
Deleted: <state></state>

<emails>

<email></email>

</emails>

<streetAddress>

<line number = ""></line>

</streetAddress>

<city></city>

<postalCode></postalCode>

<comment>

<line number = ""></line>

</comment>

Erika Goedrich 2/27/11 1:57 PM
Deleted: 1

Erika Goedrich 2/27/11 1:58 PM
Deleted: -
<countryCode></countryCode>

Erika Goedrich 2/27/11 1:58 PM
Deleted: 1

```

<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>

```

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 Deleted: <regDate></regDate> -

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 Deleted: <pocHandle></pocHandle> -

Example Payload

```

<poc>
  <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>

```

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 Deleted: <type>[OFFICE, FAX, MOBILE]</type>

Erika Goedrich 2/27/11 2:00 PM
 Deleted: <state>VA</state>

Erika Goedrich 2/27/11 2:01 PM
 Deleted: <countryCode>US</countryCode>

Erika Goedrich 2/27/11 2:01 PM
 Deleted: <regDate>

Erika Goedrich 2/27/11 2:01 PM
 Deleted: </regDate>

Erika Goedrich 2/27/11 2:02 PM
 Deleted: <pocHandle>

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 Deleted: </pocHandle>

```

<middleName>MIDDLENAME</middleName>
<lastName>LASTNAME</lastName>
<phones>
  <phone>
    <type>
      <description>DESCRIPTION</description>
      <code>O</code>
    </type>
    <number>+1.703.227.9840</number>
    <extension>101</extension>
  </phone>
</phones>
</poc>

```

Erika Goedrich 2/27/11 2:03 PM
Deleted: <type>OFFICE</type>

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

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

Payload

```

<message>
  <subject></subject>
  <text>
    <line number = ""></line>
  </text>
  <category>[NONE, JUSTIFICATION]</category>
  <attachments>
    <attachment></attachment>
  </attachments>
</message>

```

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Example Payload

```

<message>
  <subject>SUBJECT</subject>

```

```

<text>
  <line number = "1">Line 1</line>
</text>
<category>NONE</category>
<attachments>
  <attachment>ATTACHMENT</attachment>
</attachments>
</message>

```

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

<u>A</u>	Used to represent a Reallocation network.
<u>AF</u>	Used to represent a AFRNIC allocated network.
<u>AP</u>	Used to represent a APNIC allocated network.
<u>AR</u>	Used to represent a ARIN allocated network.
<u>AV</u>	Used to represent a ARIN early reservation network.
<u>DA</u>	Used to represent a Direct Allocation network.
<u>DS</u>	Used to represent a Direct Assignment network.
<u>FX</u>	Used to represent a AFRNIC transferred network.
<u>JR</u>	Used to represent a IANA reserved network.
<u>JU</u>	Used to represent a IANA special use network.
<u>LN</u>	Used to represent a LACNIC allocated network.
<u>LX</u>	Used to represent a LACNIC transferred network.
<u>PV</u>	Used to represent a APNIC early reservation network.
<u>PX</u>	Used to represent a APNIC early registration network.
<u>RD</u>	Used to represent a RIPE NCC allocated network.
<u>RN</u>	Used to represent a RIPE allocated network.
<u>RV</u>	Used to represent a RIPE early reservation network.
<u>RX</u>	Used to represent a RIPE NCC Transferred network.
<u>S</u>	Used to represent a Reassigned network.

Payload

```
<netBlock>
```

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- Erika Goedrich 2/27/11 2:05 PM
Deleted: APNIC_ALLOCATED
- Erika Goedrich 2/27/11 2:05 PM
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- Erika Goedrich 2/27/11 2:06 PM
Deleted: IANA_SPECIAL_USE
- Erika Goedrich 2/27/11 2:06 PM
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- Erika Goedrich 2/27/11 2:07 PM
Deleted: RIPE_ALLOCATED
- Erika Goedrich 2/27/11 2:07 PM
Deleted: RIPE_EARLY_RESERVATION
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```

<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>
  <type>A</type>
  <description>DESCRIPTION</description>
  <startAddress>10.0.0.0</startAddress>
  <endAddress>10.0.0.255</endAddress>
  <cidrLength>24</cidrLength>
</netBlock>

```

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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

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.
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

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.

WebTicketType

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.

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 an 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 a end user IPV4 request.
END_USER_IPV6_REQUEST	Type denotes a end use IPV6 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.

Payload

```

<ticket>
  <messages>
    <message>
      <subject></subject>
      <text>
        <line number = ""></line>
      </text>
      <category>[NONE, JUSTIFICATION]</category>
      <attachments>
        <attachment></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, ANY]</webTicketType>
  <webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED,
IN_PROGRESS, RESOLVED, CLOSED, APPROVED, ANY]</webTicketStatus>

```

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```
<webTicketResolution>[ACCEPTED, DENIED, ABANDONED, ANSWERED, PROCESSED,
DUPLICATE, WITHDRAWN, UNSUCCESSFUL, OTHER]</webTicketResolution>
</ticket>
```

Example Payload

```
<ticket>
  <messages>
    <message>
      <subject>SUBJECT</subject>
      <text>
        <line number = "1">Line 1</line>
      </text>
      <category>NONE</category>
      <attachments>
        <attachment>ATTACHMENT</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>
```

PayloadList

This payload is used as a container, to store multiple payloads and return them back to the customer. The standard `java.util.List` cannot be returned via a service call due to limitations in JAX-RS and JAXB. This list payload will act as a wrapper for ticket searching, the setting of phones on POCs, etc.

Payload

```
<collection>
  <phone>
    <type>
      <description></description>
      <code>[O, F, M]</code>
    </type>
```

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Deleted: <type>[OFFICE, FAX, MOBILE]</type>

```

<number></number>
<extension></extension>
<messages>
  <message>
    <subject></subject>
    <text>
      <line number = ""></line>
    </text>
    <category>[NONE, JUSTIFICATION]</category>
    <attachments>
      <attachment></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, ANY]</webTicketType>
<webTicketStatus>[PENDING_CONFIRMATION, PENDING_REVIEW, ASSIGNED,
IN_PROGRESS, RESOLVED, CLOSED, APPROVED, ANY]</webTicketStatus>
<webTicketResolution>[ACCEPTED, DENIED, ABANDONED, ANSWERED, PROCESSED,
DUPLICATE, WITHDRAWN, UNSUCCESSFUL, OTHER]</webTicketResolution>
<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>

```

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Deleted: <regDate></regDate>

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Deleted: <netHandle></netHandle>

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```

    </netBlock>
</netBlocks>
<customerHandle></customerHandle>
<parentNetHandle></parentNetHandle>
<netName></netName>
<originASes>
  <originAS></originAS>
</originASes>
<pocLinks>
  <pocLinkRef>
    </pocLinkRef>
</pocLinks>
</phone>
</collection>

```

Example Payload

```

<collection>
  <phone>
    <messages>
      <message>
        <subject>SUBJECT</subject>
        <text>
          <line number = "1">Line 1</line>
        </text>
        <category>NONE</category>
        <attachments>
          <attachment>ATTACHMENT</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>
  </phone>
</collection>

```

MultilineTextPayload

Represents a multiline field, like public comments or address.

Payload

```
<multiline>  
  <line number = ""></line>  
</multiline>
```

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Example Payload

```
<multiline>  
  <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.

Payload

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

Example Payload

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

```
<message>MESSAGE</message>
</additionalInfo>
</error>
```

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

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 an Tech Poc.

Payload

```
<pocLinkRef description = "", handle = "", function = "[AD, AB, N, T]">
</pocLinkRef>
```

Example Payload

```
<pocLinkRef description = "DESCRIPTION", handle = "HANDLE", function = "AD">
</pocLinkRef>
```

ComponentErrorPayload

These represent individual component errors in the ErrorPayload.

Payload

```
<component>
  <name></name>
  <message></message>
</component>
```

Example Payload

```
<component>
  <name>NAME</name>
  <message>MESSAGE</message>
</component>
```

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>
  <name></name>
  <code2></code2>
  <code3></code3>
  <e164></e164>
</iso3166-1>
```

Example Payload

```
<iso3166-1>
  <name>UNITED STATES</name>
  <code2>US</code2>
  <code3>USA</code3>
  <e164>1</e164>
</iso3166-1>
```

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

<u>O</u>	<u>Used to represent Office phone number.</u>
<u>F</u>	<u>Used to represent Fax phone number.</u>
<u>M</u>	<u>Used to represent Mobile phone number.</u>

Payload

```
<type>
  <description></description>
```


<code>[O, F, M]</code>
</type>

Example Payload

<type>
<description>DESCRIPTION</description>
<code>O</code>
</type>

DRAFT

Type

OFFICE

Used to represent Office phone number.

FAX

Used to represent a Fax phone number.

MOBILE

Used to represent a Mobile phone number.

IPVersion

V4

Used to represent and IP Version 4 net address.

V6

Used to represent an IP Version 6 net address.