

Syra Reseller System

API Reference

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Chapter 1: About This Document

Revision History

This document describes the sYra Reseller System API, which can be used for managing domain names under the reseller's account.

The content of the document is targeted at developers interested in creating or improving reseller websites. This document assumes that you are familiar with the web server SOAP (Simple Object Access Protocol), and that you understand the registration process for domain names.

The aim of this document is to describe the various operations available through this API, included with this document are several example code packs detailing select operations (mainly those required to complete the domain registration sequence). Each operation is documented with the following:

- A complete list of expected parameters.
- A description of the returned object.
- An example Request/Response packet.

Version	Description
1.0	sYra Reseller System API reference; initial version.
1.1	IsEligibleForRenewal added to TransferCheckResponse object. GetDomainPriceList packet was added. GetContactIdentifierList packet was added. Appendix E: Environment Differences was added.

Chapter 2: Overview

Introduction

This application interacts with the sYra Reseller System using SOAP 1.2 over HTTP. Reseller applications using this API can perform operations to achieve, for example, the following:

- Creating Contacts and Registrants.
- Registering domain names.
- Creating subordinate host objects.
- Transferring domains.

Groups of API operations:

- Contacts.
- Domains.
- Hosts.
- Transfers.
- Generic Operations.

Although this API works in conjunction with the sYra Reseller System, all communications and notifications are the responsibility of the reseller.

Message Format

The term "insert API namespace here" should be replaced with the appropriate namespace from Section 2.3 List of Namespaces. See Appendix D for details on obtaining the APIKey.

Request

```
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope"
xmlns:ns1="insert API namespace here">
  <env:Header>
    <ns1:Authenticate>
      <AuthenticateRequest>
        <ResellerID>2644</ResellerID>
        <APIKey>f35a2bc72dfdc2aae569a0c7370bd7f5</APIKey>
      </AuthenticateRequest>
    </ns1:Authenticate> </env:Header>
  <env:Body>
    ...
  </env:Body>
</env:Envelope>
```

Response

```
<env:Envelope xmlns:env="http://www.w3.org/2003/05/soap-envelope"
xmlns:ns1="insert API namespace here">
  <env:Header>
    <ns1:AuthenticateResponse>
      <return xsi:type="ns1:AuthenticateResponse">
        <APIResponse>
          <APIRequestDate>2011-01-30 12:05:23 +0800
          </APIRequestDate> <APIResponseDate>2011-01-30 12:05:23
          +0800 </APIResponseDate>
          <Success>>true</Success>
        </APIResponse>
      </return>
    </ns1:AuthenticateResponse>
  </env:Header>
  <env:Body>
    ...
  </env:Body>
</env:Envelope>
```

List of Namespaces

Namespace	Environment
http://soap.secureapi.com.au/API-1.1	Production
http://soap-test.secureapi.com.au/API-1.1	Testing

Chapter 3: Contacts

The Reseller API provides functionality to create and maintain contact objects for use with domain management. Permissions may apply on some operations (e.g. ContactUpdate may only be used on contacts owned by the reseller). Please see Table 3.1 for a brief description of each operation.

Contacts are used in the domain registration process. There are four types of contacts, all of which are required to successfully create a domain with the API:

- Registrant – The owner of the domain.
- Admin – The administrative authority of the domain.
- Billing – The billing authority of the domain.
- Tech – The technical authority of the domain.

The ContactCreate operation is used to create the Admin, Billing, and Tech contacts for a domain, the registrant is created with ContactClientToRegistrant. The reason for this is that Registrant contacts are treated differently; as they are considered the owner of the domain, they can only be changed by performing a change of ownership.

Table 3.1 Summary of contact operations

Operation	Description
ContactCheck	Checks the existence of a contact identifier.
ContactInfo	Retrieves the contact information.
ContactCreate	Creates a contact object.
ContactUpdate	Updates an existing contact object.
ContactCloneToRegistrant	Creates a registrant object from a contact object.
GetContactIdentifierList	Retrieves a list of contact identifiers.

ContactCheck

This operation is used to check if a unique contact identifier exists. Contact identifiers are generated by the ContactCreate and ContactCloneToRegistrant operations. This operation is useful to ensure that a previously generated contact identifier still exists.

ContactCheckRequest object

Element Name	Description
ContactIdentifier	A unique contact identifier. Examples: <ul style="list-style-type: none">• C-000406831-SN• R-001049873-SN

ContactCheckResponse object

Element Name	Description
AvailabilityList	An array of AvailabilityItem objects. See Appendix A for details on the AvailabilityItem object. Attributes: ArraySize – the number of objects in the array.

Example

Check the availability of C-002668228-SN.

Request

```
<ns1:ContactCheck>
  <ContactCheckRequest>
    <ContactIdentifier>C-002668228-SN</ContactIdentifier>
  </ContactCheckRequest>
</ns1:ContactCheck>
```

Response

```
<ns1:ContactCheckResponse>
  <APIResponse>
    <APIRequestDate>2011-01-24 12:38:46 +0800</APIRequestDate>
    <APIResponseDate>2011-01-24 12:38:46 +0800</APIResponseDate>
    <AvailabilityList ArraySize="1">
      <item xsi:type="ns1:AvailabilityItem">
        <Item>C-002668228-SN</Item>
        <Available>true</Available>
      </item>
    </AvailabilityList>
  </APIResponse>
</ns1:ContactCheckResponse>
```

ContactInfo

This operation will retrieve all the details attached to the specified contact. *NOTE:* In order to successfully complete this operation, the ContactIdentifier must belong to the reseller.

ContactInfoRequest object

Element Name	Description
ContactIdentifier	A unique contact identifier
	Example:
	<ul style="list-style-type: none">C-000406831-SNR-001049873-SN

ContactInfoResponse object

Element Name	Description
ContactDetails	See Appendix A for details on the ContactDetails object

Example

Retrieve the details of contact C-002668228-SN.

Request

```
<ns1:ContactInfo>
  <ContactInfoRequest>
    <ContactIdentifier>C-002668288-SN</ContactIdentifier>
  </ContactInfoRequest>
</ns1:ContactInfo>
```

Response

```
<ns1:ContactInfoResponse>
  <APIResponse>
    <APIRequestDate>2011-01-24 12:41:03 +0800</APIRequestDate>
    <APIResponseDate>2011-01-24 12:41:03 +0800</APIResponseDate>
    <ContactDetails>
      <ContactIdentifier>C-002668288-SN</ContactIdentifier> <
      FirstName>John</FirstName>
      <LastName>Smith</LastName>
      <Address>123 Example Street</Address>
      <City>Testville</City>
      <Country>AU</Country>
```

```

    <State>WA</State>
    <PostCode>6000</PostCode>
    <CountryCode>61</CountryCode>
    <Phone>912345678</Phone>
    <Mobile>0412345678</Mobile>
    <Email>johnsmith@example.com</Email>
    <AccountType>business</AccountType>
    <BusinessName>John Smith & Associates</BusinessName>
    <BusinessNumberType>ABN</BusinessNumberType>
    <BusinessNumber>94 071 296 878</BusinessNumber>
  </ContactDetails>
</APIResponse>
</ns1:ContactInfoResponse>

```

ContactCreate

This operation creates a contact under the reseller's account. This contact can then be used to create domain objects.

ContactCreateRequest object

Element Name	Description
FirstName	The contact's first name.
LastName	The contact's last name.
Address	The number/street portion of the contact's address.
City	The city portion of the contact's address.
Country	The 2 letter country code of the contact's address.
Example:	
	<ul style="list-style-type: none"> • AU • US • NZ
State	The state portion of the contact's address.
PostCode	The post code portion of the contact's address.
CountryCode	The 2 digit country calling code of the contact's phone/mobile number.
Phone	The contact's phone number.
Mobile	The contact's mobile number.
Email	The contact's email address.
AccountType	The account type.

Options:

- Personal
- Business

BusinessName	The contact's business name (if account type is business).
BusinessNumberType	The contact's business number type (if account type is business). See Appendix B for accepted values.
BusinessNumber	The contact's business number (if account type is business).

ContactCreateResponse object

Element Name	Description
ContactDetails	See Appendix A for details on the ContactDetails object.

Example

Create a new contact.

Request

```
<ns1:ContactCreate>
  <ContactCreateRequest>
    <FirstName>John</FirstName>
    <LastName>Smith</LastName>
    <Address>123 Example Street</Address>
    <City>Testville</City>
    <Country>AU</Country>
    <State>WA</State>
    <PostCode>6000</PostCode>
    <CountryCode>61</CountryCode>
    <Phone>912345678</Phone>
    <Mobile>0412345678</Mobile>
    <Email>johnsmith@example.com</Email>
    <AccountType>business</AccountType>
    <BusinessName>John Smith & Associates</BusinessName>
    <BusinessNumberType>ABN</BusinessNumberType>
    <BusinessNumber>94 071 296 878</BusinessNumber>
  </ContactCreateRequest>
</ns1:ContactCreate>
```

Response

```
<ns1:ContactCreateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 07:41:39 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 07:41:39 +0800</APIResponseDate>
    <ContactDetails>
      <ContactIdentifier>C-002668228-SN</ContactIdentifier>
      <FirstName>John</FirstName>
      <LastName>Smith</LastName>
      <Address>123 Example Street</Address>
      <City>Testville</City>
      <Country>AU</Country>
      <State>WA</State>
      <PostCode>6000</PostCode>
      <CountryCode>61</CountryCode>
      <Phone>912345678</Phone>
      <Mobile>0412345678</Mobile>
      <Email>johnsmith@example.com</Email>
      <AccountType>business</AccountType>
      <BusinessName>John Smith & Associates</BusinessName>
      <Mobile>0412345678</Mobile>
      <Email>johnsmith@example.com</Email>
```

```

    <AccountType>business</AccountType>
    <BusinessName>John Smith & Associates</BusinessName>
    <BusinessNumberType>ABN</BusinessNumberType>
    <BusinessNumber>94 071 296 878</BusinessNumber>
  </ContactDetails>
</APIResponse>
</ns1:ContactCreateResponse>

```

ContactUpdate

This operation will update the details attached to the specified contact identifier. *NOTE:* In order to successfully complete this operation, the ContactIdentifier must belong to the reseller.

ContactUpdateRequest object

Element Name	Description
ContactIdentifier	A unique contact identifier. Example: <ul style="list-style-type: none"> C-000406831-SN R-001049873-S
FirstName	The contact's first name.
LastName	The contact's last name.
Address	The number/street portion of the contact's address.
City	The 2 letter country code of the contact's address.
Country	Example: <ul style="list-style-type: none"> AU US NZ
State	The state portion of the contact's address.
PostCode	The post code portion of the contact's address.
CountryCode	The 2 digit country calling code of the contact's phone/mobile number.
Phone	The contact's phone number.
Mobile	The contact's mobile number.
Email	The contact's email address.
AccountType	The account type. Options: <ul style="list-style-type: none"> Personal Business

BusinessName	The contact's business name (if account type is business).
BusinessNumberType	The contact's business number type (if account type is business). See Appendix B for accepted values.
BusinessNumber	The contact's business number (if account type is business).

ContactUpdateResponse object

Element Name	Description
ContactDetails	See Appendix A for details on the ContactDetails object.

Example:

Update the details of contact C-002668228-SN, changing the account type to "business".

Request

```
<ns1:ContactUpdate>
  <ContactUpdateRequest>
    <ContactIdentifier>C-002668228-SN</ContactIdentifier>
    <FirstName>John</FirstName>
    <LastName>Smith</LastName>
    <Address>123 Example Street</Address>
    <City>Testville</City>
    <Country>AU</Country>
    <State>WA</State>
    <PostCode>6000</PostCode>
    <CountryCode>61</CountryCode>
    <Phone>912345678</Phone>
    <Mobile>0412345678</Mobile>
    <Email>johnsmith@example.com</Email>
    <AccountType>personal</AccountType>
  </ContactUpdateRequest>
</ns1:ContactUpdate>
```

Response

```
<ns1:ContactUpdateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 07:41:41 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 07:41:51 +0800</APIResponseDate>
    <ContactDetails>
      <ContactIdentifier>C-002668228-SN</ContactIdentifier>
      <FirstName>John</FirstName>
      <LastName>Smith</LastName>
      <Address>123 Example Street</Address>
      <City>Testville</City>
      <Country>AU</Country>
      <State>WA</State>
      <PostCode>6000</PostCode>
      <CountryCode>61</CountryCode>
      <Phone>912345678</Phone>
      <Mobile>0412345678</Mobile>
```

```
<Email>johnsmith@example.com</Email>
<AccountType>personal</AccountType>
</ContactDetails>
</APIResponse>
</ns1:ContactUpdateResponse>
```

ContactCloneToRegistrant

This operation creates a registrant based on a contact. *NOTE:* In order to successfully complete this operation, the ContactIdentifier must belong to the reseller.

ContactCloneToRegistrantRequest object

Element Name	Description
ContactIdentifier	A unique contact identifier. Examples: <ul style="list-style-type: none">• C-000406831-SN• R-001049873-SN

ContactCloneToRegistrantResponse object

Element Name	Description
ContactDetails	See Appendix A for details on the ContactDetails object.

Example:

Create a registrant contact from C-002668228-SN.

Request

```
<ns1:ContactCloneToRegistrant>
  <ContactCloneToRegistrantRequest>
    <ContactIdentifier>C-002668228-SN</ContactIdentifier>
  </ContactCloneToRegistrantRequest>
</ns1:ContactCloneToRegistrant>
```

Response

```
<ns1:ContactCloneToRegistrantResponse> <APIResponse>
  <APIRequestDate>2011-01-28 07:41:41 +0800</APIRequestDate>
  <APIResponseDate>2011-01-28 07:41:41 +0800</APIResponseDate>
  <ContactDetails>
    <ContactIdentifier>R-001035883-SN</ContactIdentifier>
    <FirstName>John</FirstName>
    <LastName>Smith</LastName>
    <Address>123 Example Street</Address>
    <City>Testville</City>
    <Country>AU</Country>
    <State>WA</State>
    <PostCode>6000</PostCode>
    <CountryCode>61</CountryCode>
    <Phone>912345678</Phone>
    <Email>johnsmith@example.com</Email>
    <AccountType>personal</AccountType>
  </ContactDetails>
</APIResponse>
</ns1:ContactCloneToRegistrantResponse>
```

GetContactIdentifierList

This operation retrieves a list of contact identifiers belonging to the reseller.

NOTE: Registrant contacts are not returned as they are treated differently to admin, tech, and billing contacts.

GetContactIdentifierListRequest object

No elements or attributes.

GetContactIdentifierListResponse object

Element Name	Description
ContactIdentifierList	An array of contact identifiers owned by the reseller.

Attributes:

- ArraySize - The number of contact identifiers in the array.

Example:

Pull a list of ALL contact identifiers owned by the reseller.

Request

```
<ns1:GetContactIdentifierList/>
```

Response

```
<ns1:GetContactIdentifierListResponse>  
  <APIResponse>  
    <APIRequestDate>2011-01-27 17:31:41 +0800</APIRequestDate>  
    <APIResponseDate>2011-01-27 17:31:42 +0800</APIResponseDate>  
    <ContactIdentifierList ArraySize="14">  
      <item xsi:type="xsd:string">C-000777630-SN</item>  
      <item xsi:type="xsd:string">C-000982867-SN</item>  
      <item xsi:type="xsd:string">C-001140543-SN</item>  
      ...  
    </ContactIdentifierList>  
  </APIResponse>  
</ns1:GetContactIdentifierListResponse>
```

Chapter 4: Domains

The Reseller API provides functionality to create and maintain domain objects within the reseller's account. Permissions may apply on some operations (e.g. DomainUpdate may only be used on domains owned by the reseller). Please see Table 4.1 for a brief description of each operation.

Table 4.1 Summary of domain operations

Operation	Description
DomainCheck	Checks the existence of a domain name.
DomainInfo	Retrieves the domain information.
DomainCreate	Creates a domain object.
DomainUpdate	Updates an existing domain object.
DomainDelete	Deletes a domain object.
DomainRenew	Renews a domain object.

DomainCheck

This operation will check the availability of a list of domain names.

DomainCheckRequest object

Element Name	Description
DomainNames	An array of domain names in string form.

DomainCheckResponse object

Element Name	Description
AvailabilityList	An array of AvailabilityItem objects. See Appendix A for details on the AvailabilityItem object.

Example:

Check the availability of several domain names.

Request

```
<ns1:DomainCheck>
  <DomainCheckRequest>
    <DomainNames>
      <item>domaininfo1486.com</item>
      <item>domaininfo437.com.au</item>
      ...
    </DomainNames>
  </DomainCheckRequest>
</ns1:DomainCheck>
```

Response

```
<ns1:DomainCheckResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 07:59:44 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 07:59:46 +0800</APIResponseDate>
    <AvailabilityList ArraySize="5">
      <item xsi:type="ns1:AvailabilityItem">
        <Item>domaininfo1486.com</Item>
        <Available>true</Available>
      </item>
      <item xsi:type="ns1:AvailabilityItem">
        <Item>domaininfo437.com.au</Item>
        <Available>false</Available> </item>
      ...
    </AvailabilityList>
  </APIResponse>
</ns1:DomainCheckResponse>
```

DomainInfo

This operation will retrieve all the details of the specified domain. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

DomainInfoRequest object

Element Name	Description
DomainName	A domain name owned by the reseller.

DomainInfoResponse object

Element Name	Description
DomainDetails	See Appendix A for details on the DomainDetails object.

Example :

Retrieve the details for domaininfo001.com.

Request

```
<ns1:DomainInfo>
  <DomainInfoRequest>
    <DomainName>domaininfo001.com</DomainName>
  </DomainInfoRequest>
</ns1:DomainInfo>
```

Response

```
<ns1:DomainInfoResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 07:59:45 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 07:59:46 +0800</APIResponseDate>
    <DomainDetails>
      <DomainName>domaininfo001.com</DomainName>
      <AuthKey>581d165d0a118f6K</AuthKey>
      <Status>Registered</Status>
      <LockStatus>Unlocked</LockStatus>
      <Expiry>2013-01-16</Expiry>
      <RegistrantContactIdentifier>R-000463066-SN
    </RegistrantContactIdentifier>
      <AdminContactIdentifier>C-002668228-
      SN</AdminContactIdentifier>
      <BillingContactIdentifier>C-002668228-SN
    </BillingContactIdentifier>
      <TechContactIdentifier>C-002668228-SN</TechContactIdentifier>
      <NameServers ArraySize="2">
```

```

        <item xsi:type="ns1:NameServer">
        <Host>ns1.parkme.com.au</Host>
        <IP>203.170.87.1</IP>
        </item>
        <item xsi:type="ns1:NameServer">
        <Host>ns2.parkme.com.au</Host>
        <IP>203.170.87.2</IP> </item>
        </NameServers>
        </DomainDetails>
    </APIResponse>
</ns1:DomainInfoResponse>

```

DomainCreate

This operation creates a domain under the reseller's account. NOTE: Some TLDs are governed by individual policies and rules. As a result of this, the availability of a domain name does not guarantee that a registration will be successful.

DomainCreateRequest object

Element Name	Description
DomainName	The name of the domain.
RegistrantContactIdentifier	The registrant contact identifier.
AdminContactIdentifier	The admin contact identifier.
BillingContactIdentifier	The billing contact identifier.
TechContactIdentifier	The tech contact identifier.
RegistrationPeriod	The period in years to register the domain for. Note: Some TLDs will not accept all RegistrationPeriod values.
NameServers	An array of NameServer objects. See Appendix A for details on the NameServer object.
Eligibility	Eligibility object. See Appendix A for details on the Eligibility object.

DomainCreateResponse object

Element Name	Description
DomainDetails	See Appendix A for details on the DomainDetails object

Example:

Create domaincreate001.com.au.

Request

```
<ns1:DomainCreate>
  <DomainCreateRequest>
    <DomainName>domaincreate001.com.au</DomainName>
    <RegistrantContactIdentifier>R-000463086-SN
    </RegistrantContactIdentifier>
    <AdminContactIdentifier>C-002668228-
    SN</AdminContactIdentifier>
    <BillingContactIdentifier>C-002668228-SN
    </BillingContactIdentifier>
    <TechContactIdentifier>C-002668228-SN</TechContactIdentifier>
    <RegistrationPeriod>2</RegistrationPeriod>
    <Eligibility>
      <PolicyReason>2</PolicyReason>
      <BusinessType>State Government Entity</BusinessType>
      <BusinessName>SMITH, JOHN</BusinessName>
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      <BusinessNumberType>ABN</BusinessNumberType>
      <BusinessNumber>32 790 228 959</BusinessNumber>
      <TradingName>STATE OF VICTORIA</TradingName>
      <TradingNumberType>ABN</TradingNumberType>
      <TradingNumber>32 790 228 959</TradingNumber>
    </Eligibility>
  </DomainCreateRequest>
</ns1:DomainCreate>
```

Response

```
<ns1:DomainCreateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 07:59:48 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 07:59:49 +0800</APIResponseDate>
    <DomainDetails>
      <DomainName>domaincreate001.com.au</DomainName>
      <AuthKey>23dfe759bd9c604X{</AuthKey>
      <Status>Registered</Status>
      <LockStatus>Unlocked</LockStatus>
      <Expiry>2012-01-27</Expiry>
      <RegistrantContactIdentifier>R-000463086-SN
      </RegistrantContactIdentifier>
      <AdminContactIdentifier>C-002668228-
      SN</AdminContactIdentifier>
      <BillingContactIdentifier>C-002668228-SN
      </BillingContactIdentifier>
      <TechContactIdentifier>C-002668228-SN</TechContactIdentifier>
      <NameServers ArraySize="2">
        <item xsi:type="ns1:NameServer">
          <Host>ns1.parkme.com.au</Host> <IP>203.170.87.1</IP>
        </item>
        <item xsi:type="ns1:NameServer">
          <Host>ns2.parkme.com.au</Host>
          <IP>203.170.87.2</IP> </item>
      </NameServers>
      <Eligibility>
        <PolicyReason>2</PolicyReason>
        <BusinessType>State Government Entity</BusinessType>
        <BusinessName>SMITH, JOHN</BusinessName>
        <BusinessNumberType>ABN</BusinessNumberType>
        <BusinessNumber>32 790 228 959</BusinessNumber>
        <TradingName>STATE OF VICTORIA</TradingName>
        <TradingNumberType>ABN</TradingNumberType>
        <TradingNumber>32 790 228 959</TradingNumber>
      </Eligibility>
    </DomainDetails>
  </APIResponse>
</ns1:DomainCreateResponse>
```

```

        </Eligibility>
        </DomainDetails>
    </APIResponse>
</ns1:DomainCreateResponse>

```

DomainUpdate

This operation will update the details of a domain owned by the reseller. NOTE: In order to successfully complete this operation, the DomainName must belong to the reseller.

DomainUpdateRequest object

Element Name	Description
DomainName	The name of the domain.
AdminContactIdentifier	The admin contact identifier.
BillingContactIdentifier	The billing contact identifier.
TechContactIdentifier	The tech contact identifier.
NameServers	An array of NameServer objects. See Appendix A for details on the NameServer object.

DomainUpdateResponse object

Element Name	Description
DomainDetails	See Appendix A for details on the DomainDetails object

Example:

Update domaininfo1656.com.au.

Request

```

<ns1:DomainUpdate>
  <DomainUpdateRequest>
    <DomainName>domaininfo1656.com.au</DomainName>
    <AdminContactIdentifier>C-000982919-
SN</AdminContactIdentifier> <BillingContactIdentifier>
C-000982919-SN
</BillingContactIdentifier> <TechContactIdentifier>C-
000982919-SN</TechContactIdentifier> <NameServers
ArraySize="2">
  <item xsi:type="ns1:NameServer">
    <Host>ns1.crazydomains.com.au</Host> <IP>203.170.87.12</IP>
  </item>
  <item xsi:type="ns1:NameServer">

```

```

        <Host>ns2.crazydomains.com.au</Host>
        <IP>203.170.87.12</IP> </item>
      </NameServers>
    </DomainUpdateRequest>
  </ns1:DomainUpdate>

```

Response

```

<ns1:DomainUpdateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:02:09 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:02:13 +0800</APIResponseDate>
    <DomainDetails>
      <DomainName>domaininfo1656.com.au</DomainName>
      <AuthKey>23dfe759bd9c604X{</AuthKey>
      <Status>Registered</Status>
      <LockStatus>Unlocked</LockStatus>
      <Expiry>2012-01-27</Expiry>
      <RegistrantContactIdentifier>R-000463086-SN
      </RegistrantContactIdentifier>
      <AdminContactIdentifier>C-000982919-SN</AdminContactIdentifier>
      <BillingContactIdentifier>C-000982919-SN
      </BillingContactIdentifier>
      <TechContactIdentifier>C-000982919-SN</TechContactIdentifier>
      <NameServers ArraySize="2">
        <item xsi:type="ns1:NameServer">
          <Host>ns1.crazydomains.com.au</Host> <IP>203.170.87.12</IP>
        </item>
        <item xsi:type="ns1:NameServer">
          <Host>ns2.crazydomains.com.au</Host>
          <IP>203.170.87.12</IP> </item>
        </NameServers>
      <Eligibility>
        <PolicyReason>2</PolicyReason>
        <BusinessType>State Government Entity</BusinessType>
        <BusinessName>SMITH, JOHN</BusinessName>
        <BusinessNumberType>ABN</BusinessNumberType>
        <BusinessNumber>32 790 228 959</BusinessNumber>
        <TradingName>STATE OF VICTORIA</TradingName>
        <TradingNumberType>ABN</TradingNumberType>
        <TradingNumber>32 790 228 959</TradingNumber>
      </Eligibility>
    </DomainDetails>
  </APIResponse>
</ns1:DomainUpdateResponse>

```


DomainDelete

This operation deletes a domain name from the reseller's account. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

DomainDeleteRequest object

Element Name	Description
DomainName	The name of the domain being deleted

DomainDeleteResponse object

Element Name	Description
Success	A Boolean. True on success, or an array of Error objects. See Appendix A for details on the Error object.

Example :

Delete domaindelete001.com.

Request

```
<ns1:DomainDelete>
  <DomainDeleteRequest>
    <DomainName>domaindelete001.com</DomainName>
  </DomainDeleteRequest>
</ns1:DomainDelete>
```

Response

```
<ns1:DomainDeleteResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:05:37 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:05:37 +0800</APIResponseDate>
    <Success>true</Success>
  </APIResponse>
</ns1:DomainDeleteResponse>
```

DomainRenew

This operation will renew the domains registration, altering the expiry date. Some TLDs are only available for renewal within certain periods (e.g. .au domain names can only be renewed within 90 days of expiring). *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

DomainRenewRequest object

Element Name	Description
DomainName	The name of the domain being renewed.
RenewalPeriod	The period in years to renew the domain for. <i>Note:</i> Some TLDs will not accept all RenewalPeriod values.

DomainRenewResponse object

Element Name	Description
DomainDetails	See Appendix A for details on the DomainDetails object.

Example:

Renew domainrenew001.com for 2 years.

Request

```
<ns1:DomainRenew>
  <DomainRenewRequest>
    <DomainName>domainrenew001.com</DomainName>
    <RenewalPeriod>2</RenewalPeriod>
  </DomainRenewRequest>
</ns1:DomainRenew>
```

Response

```
<ns1:DomainRenewResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:04:54 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:04:55 +0800</APIResponseDate>
    <DomainDetails>
      <DomainName>domainrenew001.com</DomainName>
      <AuthKey>23dfe759bd9c604X{</AuthKey>
      <Status>Registered</Status>
      <LockStatus>Unlocked</LockStatus>
      <Expiry>2014-01-27</Expiry>
      <RegistrantContactIdentifier>
        R-000463086-SN
      </RegistrantContactIdentifier>
      <AdminContactIdentifier>C-000982919-
        SN</AdminContactIdentifier>
      <BillingContactIdentifier>
        C-000982919-SN
      </BillingContactIdentifier>
      <TechContactIdentifier>C-000982919-SN</TechContactIdentifier>
      <NameServers ArraySize="2">
        <item xsi:type="ns1:NameServer">
          <Host>ns1.crazydomains.com.au</Host>
          <IP>203.170.87.12</IP>
        </item>
        <item xsi:type="ns1:NameServer">
          <Host>ns2.crazydomains.com.au</Host>
          <IP>203.170.87.12</IP> </item>
      </NameServers>
      <Eligibility>
        <PolicyReason>2</PolicyReason>
        <BusinessType>State Government
          Entity</BusinessType>
        <BusinessName>SMITH, JOHN</BusinessName>
        <BusinessNumberType>ABN</BusinessNumberType>
        <BusinessNumber>32 790 228 959</BusinessNumber>
        <TradingName>STATE OF VICTORIA</TradingName>
        <TradingNumberType>ABN</TradingNumberType>
        <TradingNumber>32 790 228 959</TradingNumber>
      </Eligibility>
    </DomainDetails>
  </APIResponse>
</ns1:DomainRenewResponse>
```

Chapter 5: Hosts

The Reseller API provides functionality to create and maintain host objects for use with domain management and DNS. Permissions may apply on some operations (e.g. HostUpdate may only be used on hosts owned by the reseller). Please see Table 5.1 for a brief description of each operation.

Table 5.1 Summary of host operations

Operation	Description
HostInfo	Retrieves the host information.
HostCreate	Creates a host object.
HostUpdate	Updates a host object.
HostDelete	Deletes a host object.

HostInfo

This operation will retrieve the details of the specified host object. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

HostInfoRequest object

Element Name	Description
DomainName	The name of the domain the Host belongs to.
Host	Example: hostinfo001.com The name of the host object. Example: ns1.hostinfo001.com

HostInfoResponse object

Element Name	Description
HostDetails	See Appendix A for details on the HostDetails object
Example:	Retrieve details of host ns1.hostinfo001.com.

Request

```
<ns1:HostInfo>
  <HostInfoRequest>
    <DomainName>hostinfo001.com</DomainName>
    <Host>ns1.hostinfo001.com</Host>
  </HostInfoRequest>
</ns1:HostInfo>
```

Request

```
<ns1:HostInfoResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:26:49 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:26:50 +0800</APIResponseDate>
    <HostDetails>
      <Host>ns1.hostinfo001</Host>
      <IP>203.170.87.1</IP>
    </HostDetails>
  </APIResponse>
</ns1:HostInfoResponse>
```

HostCreate

This operation creates a host object under the reseller's account. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

HostCreateRequest object

DomainName	The name of the domain the Host will belong to.
Host	The name of the host object.
IP	The IP address to set on the host object.

HostCreateResponse object

Element Name	Description
HostDetails	See Appendix A for details on the HostDetails object.

Example:

Create the host ns2. hostcreate001.com.

Request

```
<ns1:HostCreate>
  <HostCreateRequest>
    <DomainName>hostcreate001.com</DomainName>
    <Host>ns2.hostcreate001.com</Host> <IP>203.178.45.26</IP>
  </HostCreateRequest>
</ns1:HostCreate>
```

Response

```
<ns1:HostCreateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:25:34 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:25:36 +0800</APIResponseDate>
    <HostDetails>
      <Host>ns2.hostcreate001.com</Host>
      <IP>203.178.45.26</IP>
    </HostDetails>
  </APIResponse>
</ns1:HostCreateResponse>
```

HostUpdate

This operation will update the details of a host object owned by the reseller. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

Element Name	Description
DomainName	The name of the domain the Host belongs to.
Host	The name of the host object.
OldIP	The IP address to remove from the host object.
NewIP	The IP address to set on the host object.

HostUpdateResponse object

Element Name	Description
HostDetails	See Appendix A for details on the HostDetails object.

Example:

Update the IP of host ns1.hostupdate001.com.au.

Request

```
<ns1:HostUpdate>
  <HostUpdateRequest>
    <DomainName>hostupdate001.com.au</DomainName>
    <Host>ns1.hostupdate001.com.au</Host>
    <OldIP>203.178.45.26</OldIP>
    <NewIP>203.170.87.2</NewIP>
  </HostUpdateRequest>
</ns1:HostUpdate>
```

Response

```
<ns1:HostUpdateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:26:09 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:26:10 +0800</APIResponseDate>
    <HostDetails>
      <Host>ns1.hostupdate001.com.au</Host>
      <IP>203.170.87.2</IP>
    </HostDetails>
  </APIResponse>
</ns1:HostUpdateResponse>
```

HostDelete

This operation will delete a host object from the reseller's account. *NOTE:* In order to successfully complete this operation, the DomainName must belong to the reseller.

HostDeleteRequest object

Element Name	Description
DomainName	The name of the domain the host belongs to.
Host	The name of the host object being deleted.

HostDeleteResponse object

Element Name	Description
Success	A Boolean. True if the domain was deleted, or an array of Error objects. See Appendix A for details of the Error object.

Example:

Delete the host ns1.hostdelete001.com.au.

Request

```
<ns1:HostDelete>
  <HostDeleteRequest>
    <DomainName>hostdelete001.com.au</DomainName>
    <Host>ns1.hostdelete001.com.au</Host>
  </HostDeleteRequest>
</ns1:HostDelete>
```

Response

```
<ns1:HostDeleteResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:16:55 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:16:57 +0800</APIResponseDate>
    <Success>true</Success>
  </APIResponse>
</ns1:HostDeleteResponse>
```


Chapter 6: Transfers

The Reseller API provides functionality to transfer domain objects between Registrars. Permissions may apply on some operations (e.g. TransferCancel may only be used on transfers owned by the reseller). Please see Table 6.1 for a brief description of each operation.

Table 6.1 Summary of transfer operations

Operation	Description
TransferCheck	Checks if a domain name is transferrable.
TransferInfo	Retrieves the transfer information.
TransferStart	Starts the transfer of a domain name.
TransferCancel	Cancels the transfer of a domain name.

TransferCheck

This operation will verify if a domain is available for transfer to the resellers account.

TransferCheckRequest object

Element Name	Description
DomainName	The name of the domain being transferred.
AuthKey	Optional. The domain's Auth Key.

TransferCheckResponse object

Element Name	Description
Success	A Boolean. True if the domain can be transferred, or an array of Error objects. See Appendix A for details on the Error object.
IsEligibleForRenewal	A Boolean. True if the domain can be renewed when it is transferred, false otherwise.

Example:

Request

```
<ns1:TransferCheck>
  <TransferCheckRequest>
    <DomainName>apitransfer0001.cc</DomainName>
    <AuthKey>1q2w3e4r</AuthKey>
  </TransferCheckRequest>
</ns1:TransferCheck>
```

Response

```
<ns1:TransferCheckResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:34:07 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:34:08 +0800</APIResponseDate>
    <Success>>true</Success>
    <IsEligibleForRenewal>>true</IsEligibleForRenewal>
  </APIResponse>
</ns1:TransferCheckResponse>
```

TransferInfo

This operation will query a transfer and return its current status.

TransferInfoRequest object

Element Name	Description
DomainName	The name of the domain being transferred.
AuthKey	The AuthKey (optional). Note: The syntax of a domain Auth Key can vary between TLDs.

TransferInfoResponse object

Element Name	Description
TransferDetails	See Appendix A for details on the TransferDetails object.

Example:

Query the transfer of apitransfer0001.cc.

Request

```
<ns1:TransferInfo>
  <TransferInfoRequest>
    <DomainName>apitransfer0001.cc</DomainName>
    <AuthKey>1q2w3e4r</AuthKey>
  </TransferInfoRequest>
</ns1:TransferInfo>
```

Response

```
<ns1:TransferInfoResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:34:29 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:34:30 +0800</APIResponseDate>
    <TransferDetails>
      <DomainName>apitransfer0001.cc</DomainName>
      <Status>Transfer Pending</Status>
    </TransferDetails>
  </APIResponse>
</ns1:TransferInfoResponse>
```

TransferStart

This operation will initiate the transfer of a domain name to the reseller's account. The TransferCheck operation should be called prior to this operation to ensure that the domain can be transferred.

TransferStartRequest object

Element Name	Description
ContactIdentifier	The unique identifier of the contact to attach the domain to.
DomainName	The name of the domain to be transferred.
AuthKey	The Auth Key (optional). Note: The syntax of a domain Auth Key can vary between TLDs.
RenewalPeriod	The period in years to renew the domain for. Note: Some TLDs will not accept all RenewalPeriod values.

TransferStartResponse object

Element Name	Description
TransferDetails	See Appendix A for details on the TransferDetails object.

Example:

Initiate the transfer of apitransfer0001.cc.

Request

```
<ns1:TransferStart>
  <TransferStartRequest>
    <ContactIdentifier>C-000982920-SN</ContactIdentifier>
    <DomainName>apitransfer0002.cc</DomainName>
    <AuthKey>1q2w3e4r</AuthKey>
    <RenewalPeriod>1</RenewalPeriod>
  </TransferStartRequest>
</ns1:TransferStart>
```

Response

```
<ns1:TransferStartResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:35:20 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:35:21 +0800</APIResponseDate>
    <TransferDetails>
      <DomainName>apitransfer0002.cc</DomainName>
      <Status>Pending Transfer</Status>
    </TransferDetails>
  </APIResponse>
</ns1:TransferStartResponse>
```

TransferCancel

This operation will cancel a transfer that has been initiated with TransferStart.

TransferCancelRequest object

Element Name	Description
DomainName	The name of the domain being transferred.
AuthKey	The Auth Key (optional). Note: The syntax of a domain Auth Key can vary between TLDs.

TransferCancelResponse object

Element Name	Description
Success	A Boolean. True if the transfer was cancelled, or an array of Error objects. See Appendix A for details on the Error object.

Example:

Cancel the transfer of apitransfer0002.cc.

Request

```
<ns1:TransferCancel>
  <TransferCancelRequest>
    <DomainName>apitransfer0002.cc</DomainName>
    <AuthKey>1q2w3e4r</AuthKey>
  </TransferCancelRequest>
</ns1:TransferCancel>
```

Response

```
<ns1:TransferCancelResponse>
  <APIResponse>
    <APIRequestDate>2011-01-28 08:35:31 +0800</APIRequestDate>
    <APIResponseDate>2011-01-28 08:35:32 +0800</APIResponseDate>
    <Success>>true</Success>
  </APIResponse>
</ns1:TransferCancelResponse>
```

Chapter 7: Generic API Operations

The Reseller API provides several generic operations. Please see Table 7.1 for a brief description of each operation.

Table 7.1 Summary of generic API operations

Operation	Description
Authenticate	Verifies the ResellerID and APIKey are valid.
GetBalance	Retrieves the reseller's current balance.
GetDomainList	Retrieves a list of the reseller's domains.
GetDomainPriceList	Retrieves a list of all domain products available to the Reseller.
SendAPINotification	Sends a transfer notification for the reseller to test their notification_url script with
SpawnDomainsForTransfer	Spawns a number of domains for the reseller to test transferring with

Authenticate

This operation validates the reseller's ID and API key combination. This operation should be called using the Header part of the SOAP request. See Appendix D for details on obtaining the APIKey.

AuthenticateRequest object

Element Name	Description
ResellerID	The unique ID of the reseller. Example: <ul style="list-style-type: none">• R2644• 2644
APIKey	A unique 32 character key. Example: <ul style="list-style-type: none">• f35a2bc72dfdc2aae569a0c7370bd7f5

AuthenticateResponse object

Element Name	Description
Success	A Boolean. True if the ResellerID and APIKey are valid, or an array of Error objects. See Appendix A AuthenticateResponse object for details on the Error object.

Example:

Validate the reseller's ID and API key.

Request

```
<ns1:Authenticate>
  <AuthenticateRequest>
    <ResellerID>2644</ResellerID>
    <APIKey>f35a2bc72dfdc2aae569a0c7370bd7f5</APIKey>
  </AuthenticateRequest>
</ns1:Authenticate>
```

Response

```
<ns1:AuthenticateResponse>
  <APIResponse>
    <APIRequestDate>2011-01-27 17:29:01 +0800</APIRequestDate>
    <APIResponseDate>2011-01-27 17:29:01 +0800</APIResponseDate>
    <Success>>true</Success>
  </APIResponse>
</ns1:AuthenticateResponse>
```

GetBalance

This operation simply returns the reseller's current balance represented as a monetary amount.

GetBalanceRequest object

No elements or attributes.

GetBalanceResponse object

Element Name	Description
Balance	A string containing the reseller's current balance Example: <ul style="list-style-type: none">\$1,052.00 AUD

Example:
Get the reseller's current balance.

Request

```
<ns1:GetBalance/>
```

Response

```
<ns1:GetBalanceResponse>  
  <APIResponse>  
    <APIRequestDate>2011-01-27 17:31:42 +0800</APIRequestDate>  
    <APIResponseDate>2011-01-27 17:31:42 +0800</APIResponseDate>  
    <Balance>$16.02 AUD</Balance>  
  </APIResponse>  
</ns1:GetBalanceResponse>
```

GetDomainList

This operation returns a list of domains currently owned by the reseller, as well as their status.

GetDomainListRequest object

No elements or attributes.

GetDomainListResponse object

Element Name	Description
DomainList	An array of domains (with status) owned by the reseller. Attributes: <ul style="list-style-type: none">• ArraySize - The number of domains in the array. Subelements: <ul style="list-style-type: none">• DomainName – The domain name.• Status – The status of the domain.

Example:

Pull a list of ALL domains owned by the reseller.

Request

```
<ns1:GetDomainList/>
```

Response

```
<ns1:GetDomainListResponse>  
  <APIResponse>  
    <APIRequestDate>2011-01-27 17:31:41 +0800</APIRequestDate>  
    <APIResponseDate>2011-01-27 17:31:42 +0800</APIResponseDate>  
    <DomainList ArraySize="14">  
      <item xsi:type="ns1:DomainListItem">  
        <DomainName>testdomain0001.com.au</DomainName>  
        <Status>Transfer In</Status>  
      </item>  
      <item xsi:type="ns1:DomainListItem">  
        <DomainName>testdomain0002.com</DomainName>  
        <Status>Registered</Status> </item>  
      ...  
    </DomainList>  
  </APIResponse>  
</ns1:GetDomainListResponse>
```

GetDomainPriceList

This operation returns a list of domain products available to the reseller, as well as their minimum registration period and cost price.

GetDomainPriceListRequest object

No elements or attributes.

GetDomainPriceListResponse object

Element Name	Description
DomainPriceList	<p>An array of domain products (with minimum registration period and cost price) available to the reseller.</p> <p>Attributes:</p> <ul style="list-style-type: none">• ArraySize - The number of domain products in the array. <p>Subelements:</p> <ul style="list-style-type: none">• Product – The domain product name.• MinimumPeriod – The minimum registration period in years.• Price – The cost price of the product.

Example:

Pull a list of ALL domain products available to the reseller.

Request

```
<ns1:GetDomainPriceList/>
```

Response

```
<ns1:GetDomainPriceListResponse>  
  <APIResponse>  
    <APIRequestDate>2011-01-27 17:31:41 +0800</APIRequestDate>  
    <APIResponseDate>2011-01-27 17:31:42 +0800</APIResponseDate>  
    <DomainPriceList ArraySize="14">  
      <item xsi:type="ns1:DomainPriceListItem">  
        <Product>com.au</Product>  
        <MinimumPeriod>2</MinimumPeriod>  
        <Price>9.5</Price>  
      </item>  
      <item xsi:type="ns1:DomainPriceListItem">  
        <Product>com</Product>  
        <MinimumPeriod>1</MinimumPeriod>  
        <Price>10</Price>  
      . . .  
    </DomainPriceList>  
  </APIResponse>  
</ns1:GetDomainPriceListResponse>
```

SendAPINotification

This operation is used for testing the transfer notification script (set up by the reseller). The API will send POST data to the URL supplied. *NOTE:* This operation is only available on the development server.

SendAPINotificationRequest object

Element Name	Description
DomainName	The domain name being transferred.
Action	The transfer action being performed. See Appendix C for Notification Types.
URL	The absolute URL of the receiving script.

SendAPINotificationResponse object

Element Name	Description
Success	A Boolean. True if the message was sent successfully, or an array of Error objects. See Appendix A for details on the Error object.

Example:

Send a "Transfer Out Requested" notification for transferexample0001.com.

Request

```
<ns1:SendAPINotification>
  <SendAPINotificationRequest>
    <DomainName>transferexample0001.com</DomainName>
    <Action>Transfer Out Request</Action>
    <URL>http://testdomain.com/notifications.php</URL>
  </SendAPINotificationRequest>
</ns1:SendAPINotification>
```

Response

```
<ns1:SendAPINotificationResponse>
  <APIResponse>
    <APIRequestDate>2011-01-27 17:31:42 +0800</APIRequestDate>
    <APIResponseDate>2011-01-27 17:31:43 +0800</APIResponseDate>
    <Success>>true</Success>
  </APIResponse>
</ns1:SendAPINotificationResponse>
```

SpawnDomainsForTransfer

This operation will create several domain names, which can be used, by the reseller, to test transfers before going live with their website. NOTE: This operation is only available on the development server.

SpawnDomainsForTransferRequest object

No elements or attributes.

SpawnDomainsForTransferResponse object

Element Name	Description
SpawnedTransferList	An array of domains (with auth keys) NOT owned by the reseller. Attributes: <ul style="list-style-type: none">• ArraySize – The number of domains in the array. Subelements: <ul style="list-style-type: none">• DomainName – The domain name.• AuthKey – The auth key of the domain.

Example:

Get a list of the domains spawned for the reseller.

Request

```
<ns1:SpawnDomainsForTransfer/>
```

Response

```
<ns1:SpawnDomainsForTransferResponse>  
  <APIResponse>  
    <APIRequestDate>2011-02-11 10:24:43 +0800</APIRequestDate>  
    <APIResponseDate>2011-02-11 10:24:44 +0800</APIResponseDate>  
    <SpawnedTransferList arraySize="5">  
      <item xsi:type="ns1:SpawnedTransferListItem">  
        <DomainName>dc43315e0fb342ba.com</DomainName>  
        <AuthKey>c559-f531aab</AuthKey>  
      </item>  
      <item xsi:type="ns1:SpawnedTransferListItem">  
        <DomainName>909cfbee01a7cf39.com</DomainName>  
        <AuthKey>fc4c-4137a75</AuthKey>  
      </item>  
      ...  
    </SpawnedTransferList>  
  </APIResponse>  
</ns1:SpawnDomainsForTransferResponse>
```

Appendix A: Common Objects

AvailabilityItem

The AvailabilityItem object is common object used by the ContactCheck and DomainCheck operations, because of the similarities the element name of this object are ambiguous.

AvailabilityItem object

Element Name	Description
Item	The item in question Example: <ul style="list-style-type: none">• domaincheck001.com• ns1.hostcheck001.com• C-004578399-SN
Available	A Boolean. True if the Item exists, false otherwise.

ContactDetails

ContactDetails object

Element Name	Description
ContactIdentifier	The unique identifier of the contact. Example: <ul style="list-style-type: none">C-002668228-SNR-000495812-SN
FirstName	First name of the contact.
LastName	Last name of the contact.
Address	The house number/street name of the contact's address. Example: <ul style="list-style-type: none">123 Example Street.
City	The city of the contact's address.
Country	The 2 letter country code of the contact's address. Example: <ul style="list-style-type: none">AUUSNZ
State	The state of the contact's address.
PostCode	The post code of the contact's address.
CountryCode	The 2 digit country calling code of the contact's phone/mobile number.
Phone	The contact's phone number (including area code).
Mobile	The mobile number of the contact (optional).
Email	The email address of the contact.
AccountType	The type of account. Options: <ul style="list-style-type: none">PersonalBusiness

BusinessName	The contact's business name (optional).
BusinessNumberType	The type of business number (optional). See Appendix B for accepted values.
BusinessNumber	The business' unique number (optional).

DomainDetails

DomainDetails object

Element Name	Description
DomainName	The name of the domain.
AuthKey can	The Auth Key. Note: The syntax of a domain Auth Key vary between TLDs.
Status	The current status of the domain.
LockStatus	The current lock status of the domain. Example: <ul style="list-style-type: none">• Locked (domain cannot be transferred away)• Unlocked.
Expiry	The expiry date of the domain.
RegistrantContactIdentifier	The registrant contact identifier.
AdminContactIdentifier	The admin contact identifier.
BillingContactIdentifier	The billing contact identifier.
TechContactIdentifier	The tech contact identifier.
NameServers details	An array of NameServer objects. See Appendix A for on the NameServer object.
Eligibility	An Eligibility object. See Appendix A for details on the Eligibility object. Note: Eligibility is only present on .au TLDs.

DomainListItem

DomainListItem object

Element Name	Description
DomainName	The name of the domain.
Status	The current status of the domain.

Eligibility

Eligibility applies to .AU domain registrations and is governed by .auda (The Australian Domain Name Administrator). For more information on Domain Name Eligibility policies see the following link: <http://www.auda.org.au/policies/auda---2008---05/>

Eligibility object

Element Name	Description
PolicyReason	The policy reason (1 or 2).
BusinessType	The business type. See Appendix B for accepted values.
BusinessName	The business name.
BusinessNumberType	The business number type. See Appendix B for accepted values.
BusinessNumber	The business number.
TradingName	The trading name (optional).
TradingNumberType	The trading number type (optional). See Appendix B for accepted values.
TradingNumber	The trading number (optional).

Error

Error object

Element Name	Description
Item	The field or parameter the error occurred on.
Message	The error message.

HostDetails

HostDetails object

Element Name	Description
Host	The host name. Example: <ul style="list-style-type: none">ns1.domainhost.com
IP	The IP address of the host. Example: <ul style="list-style-type: none">203.145.23.76

NameServer

NameServer object

Element Name	Description
Host	The host name. Example: <ul style="list-style-type: none">ns1.domainhost.com
IP	The IP address of the host. Example: <ul style="list-style-type: none">203.145.23.76

TransferDetails

TransferDetails object

Element Name	Description
DomainName	The name of the domain being transferred.
Status	The status of the transfer. Example: <ul style="list-style-type: none">Transfer Pending.Transfer Not Found.

Appendix B: Accepted Field Values

Accepted Business Types

Summary of accepted business types

- Charity.
- Child Care Centre.
- Citizen/Resident.
- Club.
- Commercial Statutory Body.
- Company.
- Government School.
- Higher Education Institution.
- Incorporated Association.
- Industry Body.
- National Body.
- Non-Government School.
- Non-profit Organisation.
- Other.
- Partnership.
- Pending TM Owner.
- Political Party.
- Pre-School.
- Registered Business.
- Religious/Church Group.
- Research Organisation.
- Sole Trader.
- Trade Union.
- Trademark Owner.
- Training Organisation.

Accepted Business And Trading Number Types

Summary of accepted business and trading number types

- ABN
- ACN
- VICBN
- NSWBN
- SABN
- NTBN
- WABN
- TASBN
- ACTBN
- QLDBN
- TM
- OTHER

Appendix C: Notification Types

Notification Types

Summary of Notification Types

Type	Description
Transfer Out Requested	Another Registrar has request the transfer of a domain owned by the reseller.
Transfer In Rejected	A domain being transferred to the reseller has been rejected by the current Registrar.
Transfer Out Cancelled	The reseller, or a member of the reseller, has cancelled the transfer of a domain.
Transfer Out Completed	A domain owned by the reseller has been successfully transferred to another Registrar.
Transfer In Completed	A transfer requested by the reseller has been completed (the reseller is now the owner of the domain).

Appendix D: Obtaining API Details

Obtaining API Details

You can retrieve your API Key by clicking Reseller Setup in the Reseller Console. From here you can click Update API Setup to update the Notification URL:

API Setup	
Update API Setup	
API Key:	f35a2bc72dfdc2aae569a0c7370bd7f5
Notification URL:	N/A

Simply enter the address of the script that will handle the transfer notifications and click Update.

API Setup	
API Key:	f35a2bc72dfdc2aae569a0c7370bd7f5
Notification URL:	<input type="text"/>

Appendix E: Environment Differences

Environment Differences

To help resellers implement the API, sYra provides a testing environment setup almost identical to the production environment. There are three main differences between the environments:

- **Reseller Balance**
 - The Reseller's balance is unaffected by operations performed in the testing environment, this is due to the Reseller having no option to add credit to their account.
- **Domains**
 - The domain registration system used in the testing environment differs in that domains existing in the testing environment are deleted at set intervals or after a certain period of time. This behavior is specific to each domain registry and is out of the control of sYra.
- **Contacts**
 - Contacts existing in the production environment will not exist in the testing environment unless specifically created using ContactCreate.

For further information, please contact us

resellers@syrahost.com