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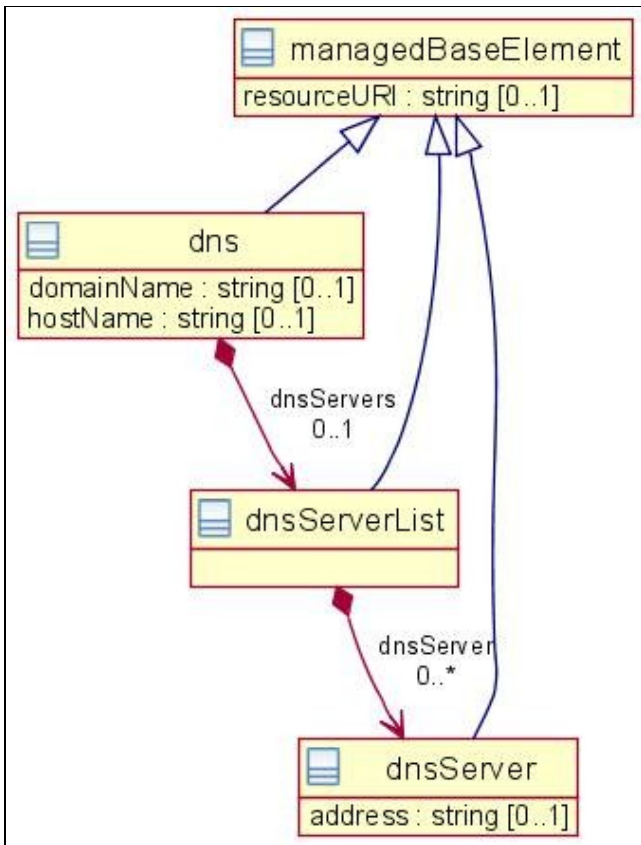
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DNS Configuration

Classes

Figure 17: DNS Settings



DNS

| | | | |
|----------------------|---------------------------------------|--------------------|-------------------------------------|
| Class Name | DNS | | |
| Extends From | ManagedBaseElement | | |
| Description | System DNS configuration settings | | |
| XML Namespace | http://dns.model.rest.aesop.cisco.com | | |
| Field Name | Type | Constraints | Comments |
| hostName | String | | Hostname where CUE is located |
| domainName | String | | Domain name in which CUE is located |
| dnsServers | DNSServerList | | List of DNS servers to be used |

DNSServerList

| | | | |
|----------------------|---------------------------------------|--------------------|--------------------------------|
| Class Name | DNSServerList | | |
| Extends From | ManagedBaseElement | | |
| Description | List of DNS Servers | | |
| XML Namespace | http://dns.model.rest.aesop.cisco.com | | |
| Field Name | Type | Constraints | Comments |
| dnsServer | DNSServer (collection) | | List of DNS servers to be used |

DNSServer

| | | | |
|----------------------|---------------------------------------|--------------------|---------------------------|
| Class Name | DNSServer | | |
| Extends From | ManagedBaseElement | | |
| Description | A DNS Server | | |
| XML Namespace | http://dns.model.rest.aesop.cisco.com | | |
| Field Name | Type | Constraints | Comments |
| address | String | | Address of the DNS server |

Resources

| Resource URI | Operation | Input | Return Value |
|--|--|-------------------------------|---------------|
| /system/dns | GET (read DNS settings) | | DNS |
| | PUT (update DNS settings) | DNS (including DNSServerList) | |
| /system/dns/servers | GET (read list of DNS servers configured) | | DNSServerList |
| | PUT (update the list of DNS servers) | DNSServerList | |
| | POST (Add a DNS server to the list of configured DNS servers) | DNSServer | |
| /system/dns/servers/{dnsServerAddress} | GET (Read DNSServer) | DNSServer | |
| | DELETE (Remove a DNS server from the list of DNS servers configured) | | |

DNS configuration examples**Update DNS settings**

- Data for the DNS settings is read from local file ./data/dns_data.xml.
- Changed attributes are dnsServers (DNS Server list) and hostName.
- Notice that DNSServer to be configured can be referenced either by resource URI or address.

```
$ cat data/dns_data.xml
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dns>
  <dnsServers>
    <dnsServer>
      <address>5.6.7.8</address>
    </dnsServer>
    <dnsServer>
      <resourceURI>/system/dns/servers/1.2.3.4</resourceURI>
    </dnsServer>
    <dnsServer>
      <resourceURI>/system/dns/servers/1.2.3.5</resourceURI>
    </dnsServer>
  </dnsServers>
  <hostName>newhostname</hostName>
</dns>
```

Cisco_Unity_Express_--_DNS_Configuration_REST_Pi_Service_Operation

```
$ curl -i -X PUT -H 'Authorization: Basic Y2lzY286Y2lzY28=' -H 'Content-type: application/xml' -d
@./data/dns_data.xml http://172.27.104.144/rest/system/dns
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: JSESSIONID=B86ADA2D33F944576E8814824B42AAC6; Path=/rest
PI-Version: 8.0.0.150
Content-Type: application/xml
Transfer-Encoding: chunked
Date: Mon, 07 Dec 2009 09:44:34 GMT
Updated - /system/dns
```

Read DNS settings

```
$ curl -i -X GET -H 'Authorization: Basic Y2lzY286Y2lzY28=' http://172.27.104.144/rest/system/dns
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: JSESSIONID=A0333BDEA9895E0EC8B77D8D60EBFA53; Path=/rest
PI-Version: 8.0.0.150
Content-Type: application/xml
Transfer-Encoding: chunked
Date: Mon, 07 Dec 2009 09:44:42 GMT
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<dns>
  <resourceURI>/system/dns</resourceURI>
  <dnsServers>
    <resourceURI>/system/dns/servers</resourceURI>
    <dnsServer>
      <resourceURI>/system/dns/servers/5.6.7.8</resourceURI>
      <address>5.6.7.8</address>
    </dnsServer>
    <dnsServer>
      <resourceURI>/system/dns/servers/1.2.3.4</resourceURI>
      <address>1.2.3.4</address>
    </dnsServer>
    <dnsServer>
      <resourceURI>/system/dns/servers/1.2.3.5</resourceURI>
      <address>1.2.3.5</address>
    </dnsServer>
  </dnsServers>
  <domainName>localdomain</domainName>
  <hostName>newhostname</hostName>
</dns>
```

Remove a DNS Server

Remove a DNS server (address 1.2.3.4) from DNS server list configured

```
$ curl -i -X DELETE -H 'Authorization: Basic Y2lzY286Y2lzY28=' http://172.27.104.144/rest/system
/dns/servers/1.2.3.4
HTTP/1.1 200 OK
Server: Apache-Coyote/1.1
Set-Cookie: JSESSIONID=A50578616C1B282056169F1521CAEBCC; Path=/rest
PI-Version: 8.0.0.150
Content-Type: application/xml
Transfer-Encoding: chunked
Date: Mon, 07 Dec 2009 10:04:06 GMT
Removed - /system/dns/servers/1.2.3.4
```

Update DNS settings