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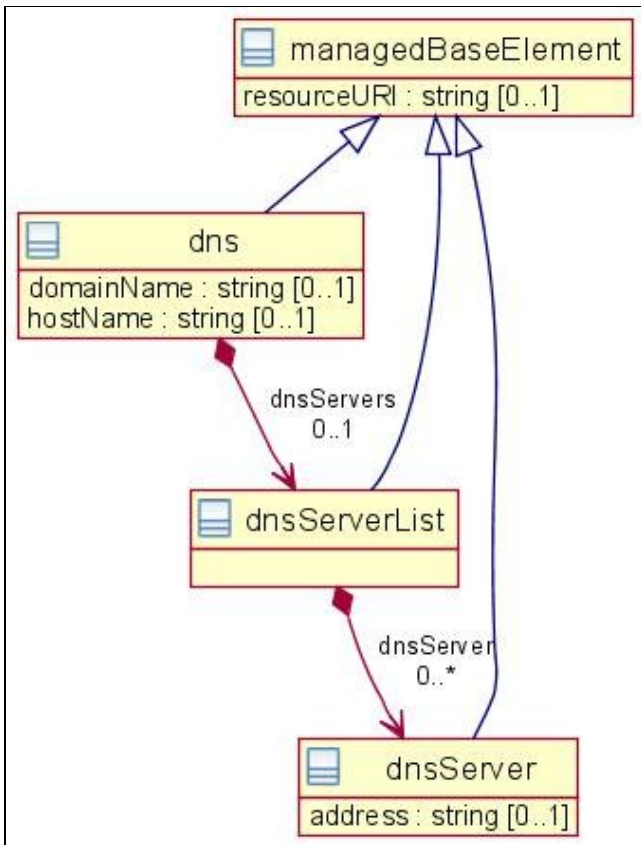
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## DNS Configuration

Classes

**Figure 17: DNS Settings**



**DNS**

<b>Class Name</b>	DNS		
<b>Extends From</b>	ManagedBaseElement		
<b>Description</b>	System DNS configuration settings		
<b>XML Namespace</b>	http://dns.model.rest.aesop.cisco.com		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
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**

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

**DNSServer**

<b>Class Name</b>	DNSServer		
<b>Extends From</b>	ManagedBaseElement		
<b>Description</b>	A DNS Server		
<b>XML Namespace</b>	http://dns.model.rest.aesop.cisco.com		
<b>Field Name</b>	<b>Type</b>	<b>Constraints</b>	<b>Comments</b>
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
```