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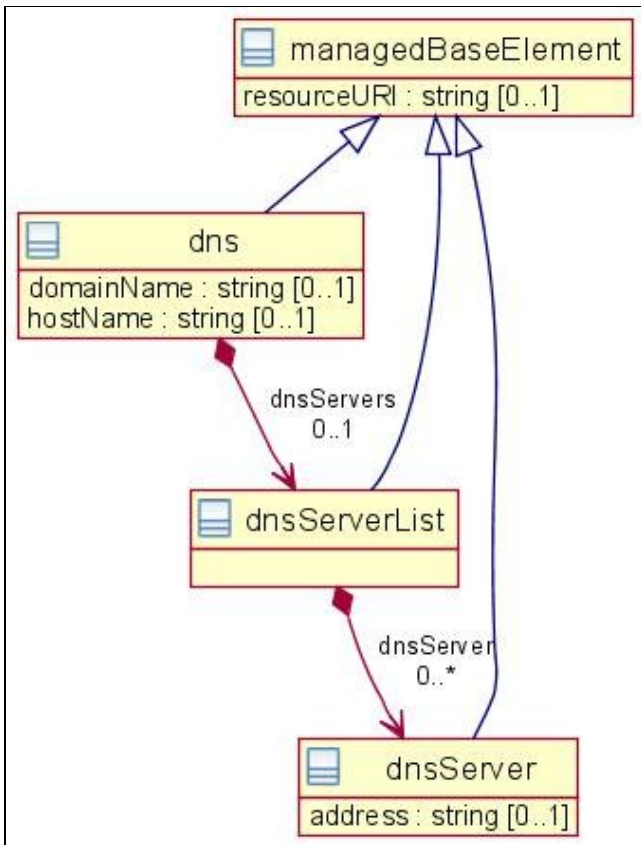
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DNS Configuration

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
hostName	String
domainName	String
dnsServers	DNSServerList

Constraints	Comments
	Hostname where CUE is located
	Domain name in which CUE is located
	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
dnsServer	DNSServer (collection)

Constraints	Comments
	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
```