CcspHomeSecurity

Introduction

- CcspHomeSecurity component supports HNAP (Home Network Administration Protocol)
- HNAP is an HTTP-SOAP (Simple Object Access Protocol) - based protocol that allows advanced programmatic configuration and management of devices connected to Home Network

Overview

- CcspHomeSecurity component uses socket programming to communicate with Home Security devices where CcspHomeSecurity acts as a server and accepts different requests from device clients
- HTTP requests from client can be a GET or POST
- CcspHomeSecurity parses the HTTP request header and decides whether authentication is required or not. If required, the client has to provide valid authentication as part of HTTP header.
- It is necessary for the client to make a HNAP request and provide SOAPAction field (e.g. http://purenetworks.com/HNAP1/GetDeviceSettings) as part of HTTP request.
- Supported SOAP action methods:

        - GetDeviceSettings

        - SetBridgeConnect

- According to request actions CcspHomeSecurity uses Message-Bus to GET or SET device related details
- Details are formatted to SOAP message encoded using XML and the message is sent as response to the client
- After proper validation of request field the Server finally sends the HNAP response to the client