I2NetWorks SNMP Manager Module

Introduction:

SNMP is Simple Network Management Protocol, used by network administrators to monitor the managed network nodes or appliances. The protocol helps to provided the status, health check and other activity on the network appliances. SNMP is two tier application where SNMP Manager is the server and ANMP Agent is the client. Basically SNMP has 3 version SNMPv1 , SNMPv2, SNMPv3. All 3 versions are standard with RFC documentation.

RFC 3140 gives the standard about SNMP architecture on whole. This development is based on this RFC.

High Level Design:

SNMP Manager is divided into following modules

1. Dispatcher
2. Message Processing Unit
3. Agent Authentication & Authorisation
4. Core Engine
5. Utility
6. Intercommunication
7. Error Handler
8. Logger

Dispatcher

This module will handle the socket communication of SNMP Agent and other manger