EpsilonC – Vision, Ideas & Demands

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Information

PLEASE READ

This document contains information about different ideas regarding the EpsilonC-project.

You will also find demands and links related to laws and procedures on information handling.

If there are any questions, there will be contact information available in this column.

Color Codes
Important information
Expansion ideas
User handling
Server related
System requirements

Last edited

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Project Overview

The Epsilon Crypter (referred to as EpsilonC) project is a project regarding development of the software named EpsilonC. This software is aimed towards IT-personnel administrating small or large networks. EpsilonC will provide network administrators a way of storing passwords, documentation & other important information in an encrypted environment. Gathering all this information in one place opens up for a more efficient way of finding the information needed when administrating a network.

EpsilonC is the next step towards the next generation process of network related documentation. The software allows the user to create an overview of the domain tree (might be integrated with Active Directory in a later stage) and store information about whatever nodes is preferred. Expansions already planned will, amongst other things, include integration towards switch configuration/documentation.

Taking a step towards the next generation of network documenting is something the IT-society desperately needs. The software that already is out there does not meet the demands and preferences that a network administrator requires to get a more efficient way of dealing with information about the network.

Expansion Ideas

Switch integration:
This module is for reading port configuration/status, which will be displayed on a picture of the front of the switch. A dropdown menu will provide choices of switches, to be able to display a correct view of the switch. A picture of the switch will be displayed in the main window. When hovering over a port on the switch, the software will display information stored about that port. The software will also have the possibilities to open a telnet connection to the switch, and retrieve status information, and port configuration.

To make this work, the user must input the IP of the switch, and enter the username and password for the switch. This module must also store information from last session (display date/time of last session, when it gathered the information) and provide a log of all sessions created by the software, and preferably retrieve the switch log at each session and make it available for the user to read.

This module will not be able to retrieve information about the switch if the computer does not have access from its location within the network.

Active Directory integration:

Integration towards Active Directory (AD) will allow the software to retrieve information about servers, computers and users in the network. Based on choices during import of this information the software will filter through the information stored in AD, and sort it into a system, which then is displayed to the user through EpsilonC. This module is not completely thought through yet.

More information on this module is to follow.

Windows Update module with custom UpdateLists for offline installs:

The Windows Update (WU) module should be able to grab the .msu-files downloaded by Windows Update, and store them for offline installs. The module will sort the updates according to categories, and display a list for the user to sort through. A menu of all the updates will be displayed, and it will give an option to copy all checked WUs to a location of choice. This option will make it easier to create custom update lists for offline update installs.

New structure and features regarding "domain" handling (domain.xml):

The domain.xml-file currently suggests that only the domain structure will be stored and displayed from this file. EpsilonC does not only aim towards the domain structure, so this file needs renaming and restructuring.

A network administrator must be able to add and remove nodes, and sort this according to their own preferences. This file must have categories for servers, computers, users, switches, distribution points etc.

Site building plan view for documentation of physical wiring and network access points:

This documentation module will display a layout of different floors in the site building of choice, and give the opportunity to apply modules on the layout. This will be used for documenting the physical wiring on the site, and where network outlets, access points and switches are placed.

System Requirements

To be able to run the EpsilonC software, your computer must meet these system requirements.

Java version:
Drive free space:

Resources

Resources available for use for the project.

Per 17.10.2015 there are no financial resources other than personal resources available for this project.

Shopping List

Item	Amount	Price

Configurations

Planned configuration	Note

Documenting the project

Code documentation will be created at a later point, where the overview of how the different modules will handle information. The process documentation will also be available for developers through Git, as this collaboration software tracks changes and updates of the code.

When it comes to other kinds of documentation, this document will be updated for overview purposes, and shall be available through the Git linkup.