UXP TECHNOLOGY DATASHEET

Built-In; Not Bolted-On

UXP Technology benefits any business because it secures at the data layer using unique UXP protection schemes that travel with the data. With these, access is absolutely managed and controlled to ensure it happens at the right location and only by authorized users.

UXP Technology offers the full spectrum for creating custom applications to secure data based on its needs. Not meant to be a replacement for conventional security measures, it actually strengthens existing methods without disruption. Usable on the most common platforms, its flexibility allows for implementation into any workflow.
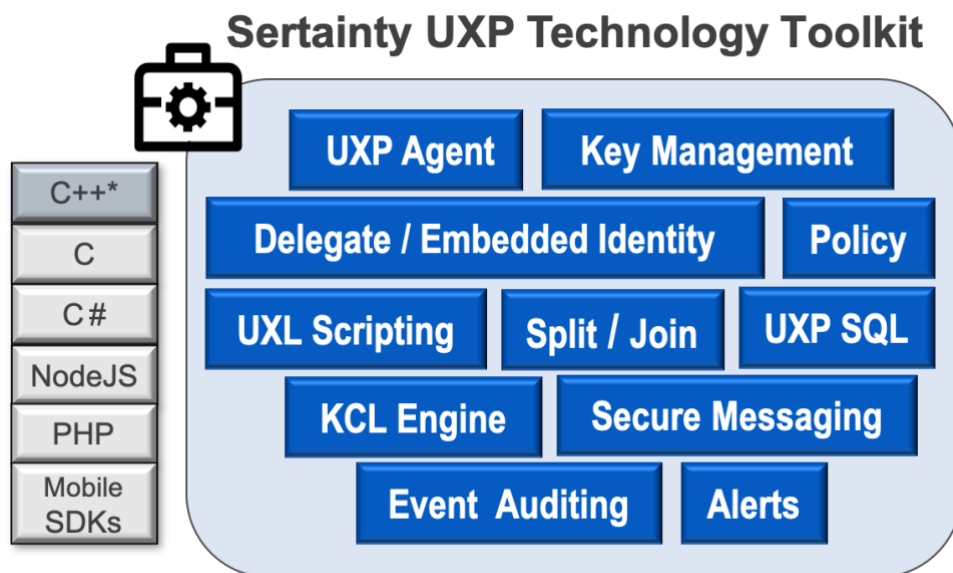
Design

UXP Technology has a modular design and includes a comprehensive set of APIs. Native to C++, the APIs can be used to customize UXP functions for protecting data in existing applications without disrupting established workflows.

Modules

Modules include, but not limited to:

- Intelligence Engine*
- UXP SQL
- Authentication
- Event auditing
- Alerts
- Policy management
- Scripting utility
- Split/Join
- Log files
- UXP Identity management & Delgates
- Key management

Sertainty UXP Technology Toolkit

C++* | C | C# | NodeJS | PHP | Mobile SDKs

UXP Agent | Key Management | Delegate / Embedded Identity | Policy | UXL Scripting | Split / Join | UXP SQL | KCL Engine | Secure Messaging | Event Auditing | Alerts

*UXP Technology is written in C++. The C++ API provides the most complete native interface for programming against UXP Technology.

Pre-Built or Custom Usage

DATA PROTECTOR

The Data Protector is a stand-alone tool for configuring automated machine-to-machine workflows. The configuration represents the collection tasks containing the instruction sets for automated workflows.

This tool is also used for:

- Creating Machine Identities
- Generating the Auto-Unprotect scripts specific to a Machine Identity
- Testing custom *uxl scripts or other scripting languages. See the Workflow Guide. (note the section)

IDENTITY EDITOR

The Identity editor is a tool for creating human-based Identities and exercising rule combinations available in Sertainty Technology.

This tool is also used for:

- Testing Identities with various rule combinations
- Generating UXP protected file using Identities for testing purposes
- Creating a custom rule preset that can be saved

UXP DRIVE

UXP Drive is an extension of UXP Technology that facilitates direct access to a UXP Object using the standard file system within a given OS. The OS recognizes Drive as a mounted external device, but without knowing UXP Technology is present.

CUSTOM APPLICATION

Using UXP Technology, custom applications can be designed and implemented into any data process flow. UXP Objects can be constructed using built-in XML templates or by using the UXP proprietary language called KCL.

Email us today:
tech-support@sertainty.com

BENEFITS

- Seamless leverage of Sertainty UXP Core Technology using UXP Software Developer Kit
- Data-centric
- Self-governing controls are defined by UXP Identity
- Non-invasive integration with existing applications and data transfer processes. No code changes are required when using the Data Protector utility
- Utilizes existing data transport process
- Auditing capabilities
- Notification capabilities
- Keys UXP Object-managed

FEATURES

- Sertainty UXP Agent, configuration tasks are managed as an XML file – Data Protector only
- Executable can be created using:
  - UXL Script Engine (*.uxl)
  - Native binary or native script (*.exe, *.bat, *.sh., etc.)
- Configurable:
  - Number of files included in each UXP Object
  - File types
  - Log file generation

PLATFORMS

- 64-bit Linux – kernel 3.10.0-957 and above
- Currently supported VM hypervisors:
  - VMware
  - VirtualBox
  - Additional versions in test
- 64-bit Windows
- macOS
- Unix is feasible; system is built using C++ and standard libraries

APIs

- C++ (complete, native)
- C
- C#
- NodeJS
- PHP - beta

MOBILE SDKs

- iOS
- Android