

UICDS Project Final Report

Project Name: UICDS Work Product Viewer

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High Level Requirements

Develop a GUI-based tool that allows different types of UICDS Work Products (Word, PDF, Links, Shapefiles) to be viewed. The tool shall use existing software on the user's computer to view the work products. Key capabilities:

- Retrieve UICDS incidents
- List incidents and binary and link work products associated with them
- Select and retrieve a binary work product
- Open the binary work product in an appropriate viewer based on the type specified

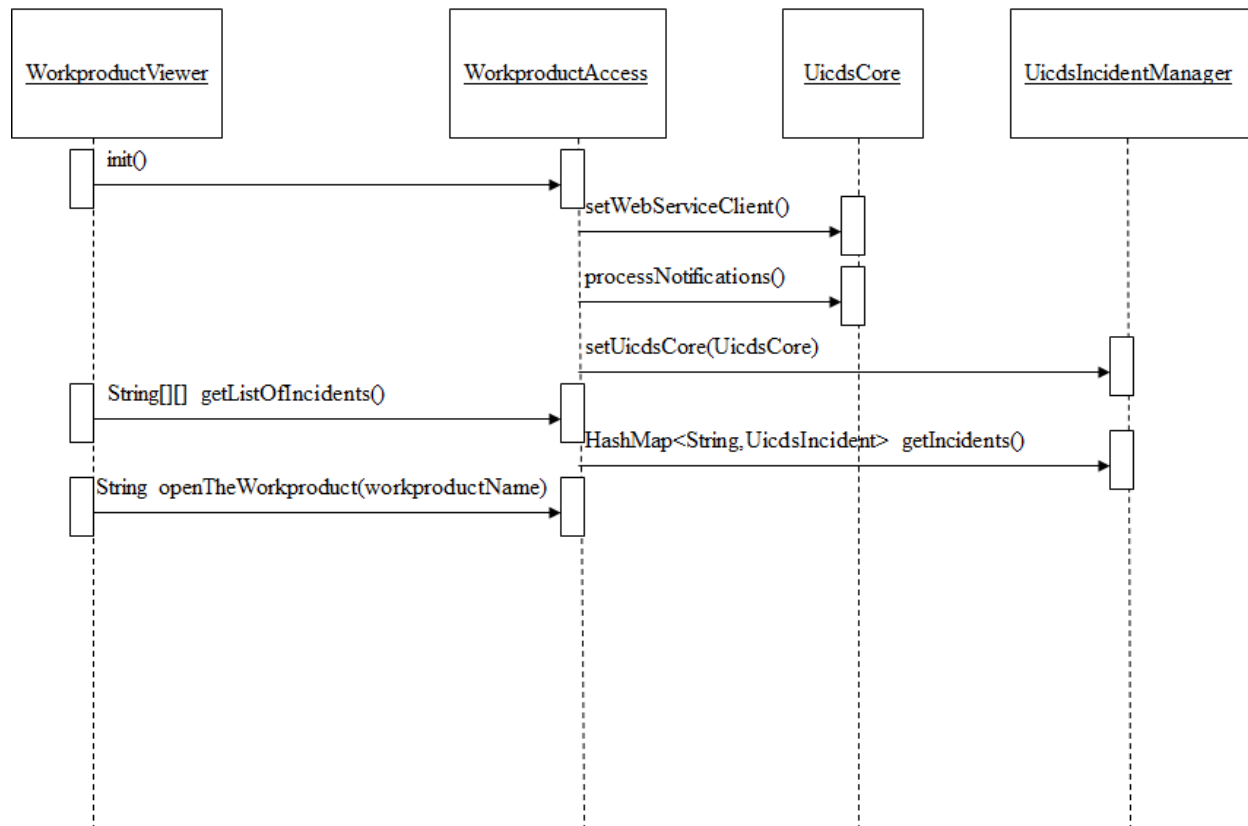
Capability Description

This is a java swing console application. It uses the spring client framework to connect to a core and interact with the core's services.

WorkproductViewer.java contains the main() method which creates windows and frames using swing. At startup, the init() method connects to the core and gets all of the incidents and associated work products.

The async code is used to register a UICDS core and use the UicdsIncidentManager to access incidents and workproducts. Specifically, these classes are used:

- com.saic.uicds.clients.em.async.UicdsCore
- com.saic.uicds.clients.em.async.UicdsIncidentManager
- com.saic.uicds.clients.em.async.UicdsIncident



CONOPS

Set Up

1. Install Java
2. Download WorkproductViewer.jar
3. Execute from command line:

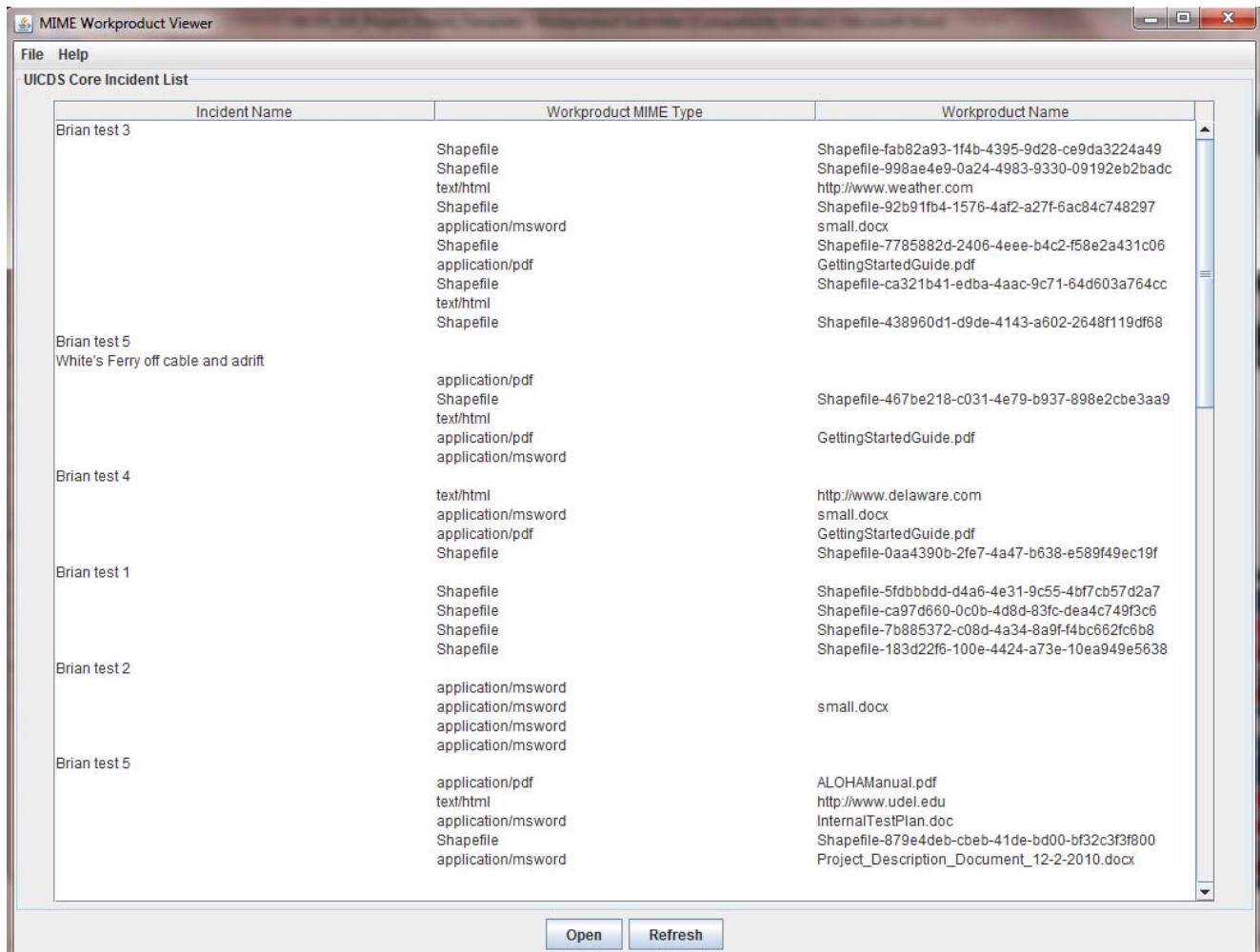
```
java -jar WorkproductViewer.jar -u https://uicds-test2.saic.com/uicds/core/ws/services
-i Brian -p Brian
```

```
Usage: java -jar WorkproductViewer.jar [-u <Server URI>] -p <Resource-Profile-ID>
> -i <UICDS-ID>
```

4. The application will create temporary files in the directory from which the app is run. These files are necessary to unzip the .shz and store the contents of the binary workproducts.
5. The application uses the Windows file association feature to locate the correct app to launch based on file extension.

Operation

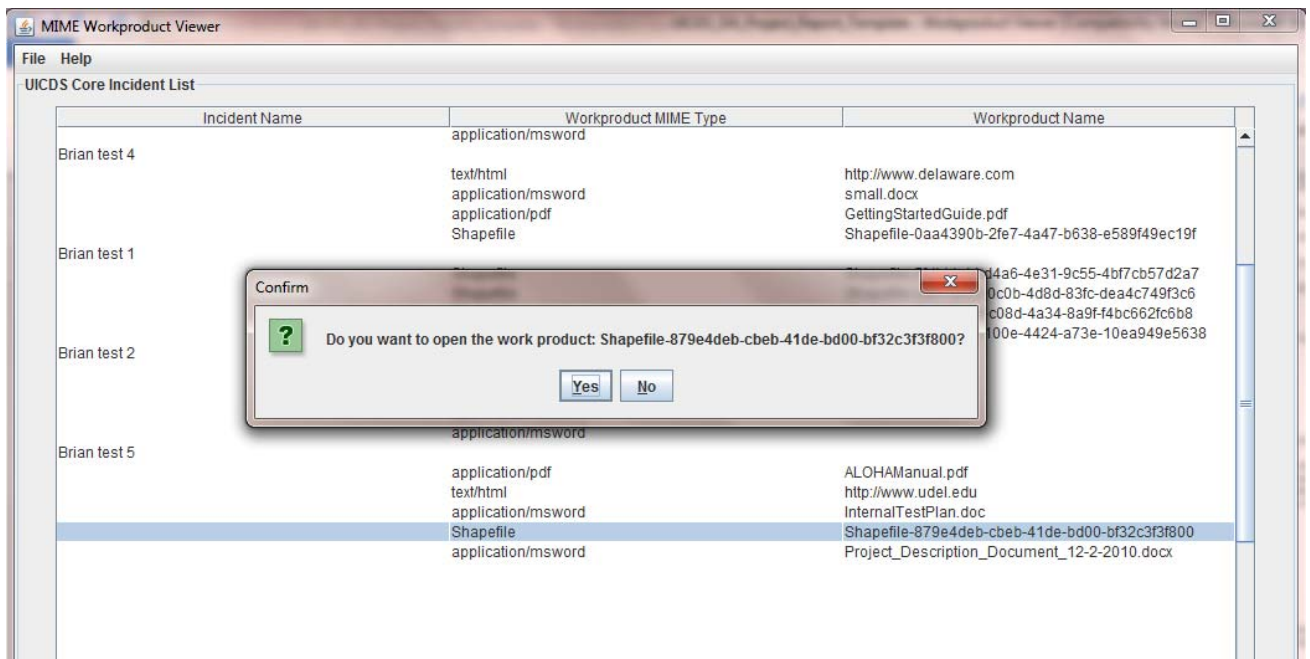
1. On startup, the following window appears:



The screenshot shows a window titled "MIME Workproduct Viewer" with a menu bar containing "File" and "Help". Below the menu bar is a section titled "UICDS Core Incident List". The main area contains a table with three columns: "Incident Name", "Workproduct MIME Type", and "Workproduct Name". The table lists several incidents, each with multiple associated workproducts. At the bottom of the window, there are two buttons: "Open" and "Refresh".

Incident Name	Workproduct MIME Type	Workproduct Name
Brian test 3	Shapefile	Shapefile-fab82a93-1f4b-4395-9d28-ce9da3224a49
	Shapefile	Shapefile-998ae4e9-0a24-4983-9330-09192eb2badc
	text/html	http://www.weather.com
	Shapefile	Shapefile-92b91fb4-1576-4af2-a27f-6ac84c748297
	application/msword	small.docx
	Shapefile	Shapefile-7785882d-2406-4eee-b4c2-f58e2a431c06
	application/pdf	GettingStartedGuide.pdf
	Shapefile	Shapefile-ca321b41-edba-4aac-9c71-64d603a764cc
Brian test 5	text/html	
	Shapefile	Shapefile-438960d1-d9de-4143-a602-2648f119df68
White's Ferry off cable and adrift		
	application/pdf	
	Shapefile	Shapefile-467be218-c031-4e79-b937-898e2cbe3aa9
	text/html	
Brian test 4	application/pdf	GettingStartedGuide.pdf
	application/msword	
	text/html	http://www.delaware.com
	application/msword	small.docx
Brian test 1	application/pdf	GettingStartedGuide.pdf
	Shapefile	Shapefile-0aa4390b-2fe7-4a47-b638-e589f49ec19f
	Shapefile	Shapefile-5fdbbbdd-d4a6-4e31-9c55-4bf7cb57d2a7
	Shapefile	Shapefile-ca97d660-0c0b-4d8d-83fc-dea4c749f3c6
Brian test 2	Shapefile	Shapefile-7b885372-c08d-4a34-8a9f-f4bc662fc6b8
	Shapefile	Shapefile-183d22f6-100e-4424-a73e-10ea949e5638
	application/msword	
	application/msword	small.docx
Brian test 5	application/msword	
	application/pdf	ALOHAManual.pdf
	text/html	http://www.udel.edu
	application/msword	InternalTestPlan.doc
	Shapefile	Shapefile-879e4deb-cbeb-41de-bd00-bf32c3f3f800
	application/msword	Project_Description_Document_12-2-2010.docx

2. After selecting a Work Product and clicking "Open", the following window appears:



3. After selecting “Yes”, the following window appears:

