
SCATS APPLICATION

USER GUIDE DOCUMENTATION

Version *1.0*

01/19/2020

SCATS Application User Guide and Documentation

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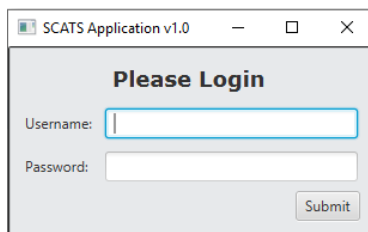
Get Started Using SCATS

Download the SCATS Installer for your required platform from the Cygiene Solutions website. Run the installer and launch the application by double clicking on the shortcut.

Logging In

When the SCATS Application launches, a login prompt will be displayed. Use the following default credentials to access the application:

Username: admin **Password:** admin

A screenshot of the SCATS Application v1.0 login window. The window has a title bar with the text "SCATS Application v1.0" and standard window controls. The main content area is titled "Please Login" and contains two input fields: "Username:" and "Password:". Below the password field is a "Submit" button.

SCATS Application v1.0

Please Login

Username:

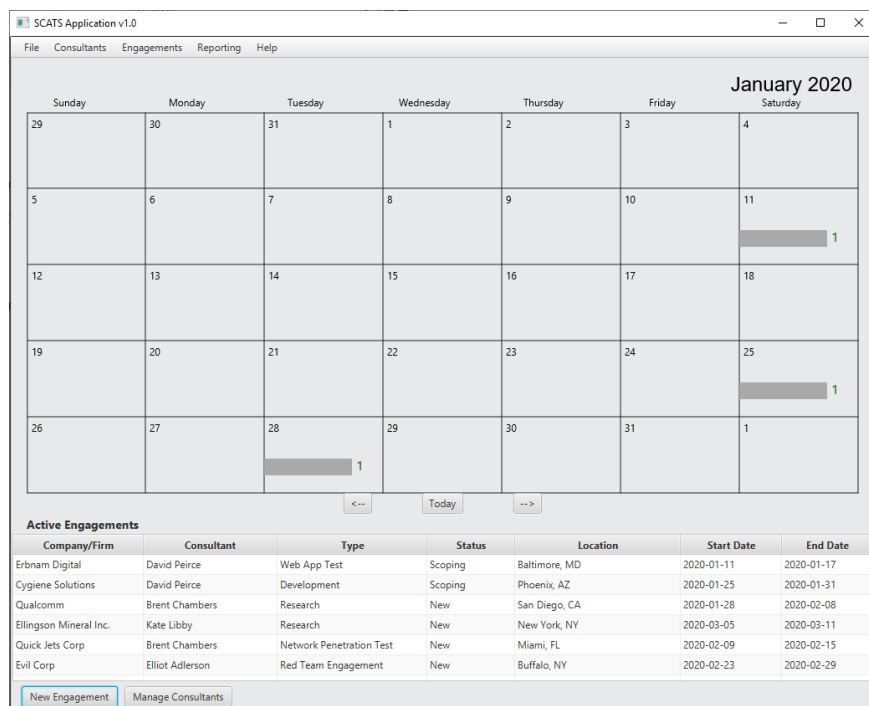
Password:

Submit

General Interface and Navigation

The SCATS application is a Security Consultant Assignment/Engagement Tracking System. Its primary functionality is to manage existing engagements, their assigned consultants, as well as the qualifications of consultants via their earned certifications.

The primary SCATS Application Interface is an interactive Calendar that displays the start dates of active Engagements being tracked within the system. Active engagements are represented at the bottom of the main SCATS Application Interface in the Active Engagements table. This table provides important information used to manage and appropriate schedule security assignment and engagements.

A screenshot of the SCATS Application v1.0 main interface. The window has a title bar with the text "SCATS Application v1.0" and standard window controls. Below the title bar is a menu bar with "File", "Consultants", "Engagements", "Reporting", and "Help". The main content area is a calendar for January 2020. The calendar shows days of the week (Sunday through Saturday) and dates. Some dates have a small grey bar with the number "1" next to them, indicating active engagements. Below the calendar is a section titled "Active Engagements" which contains a table with columns: Company/Firm, Consultant, Type, Status, Location, Start Date, and End Date. At the bottom of the window are two buttons: "New Engagement" and "Manage Consultants".

SCATS Application v1.0

File Consultants Engagements Reporting Help

January 2020

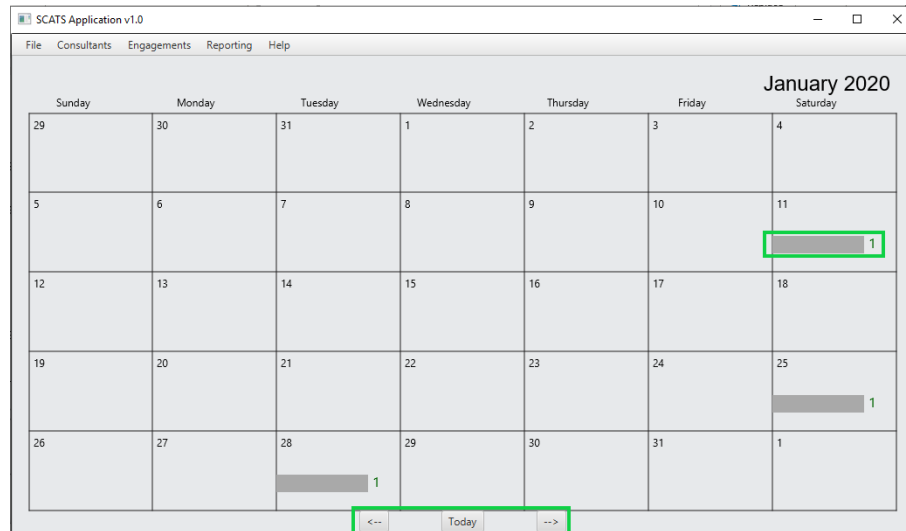
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1

Active Engagements

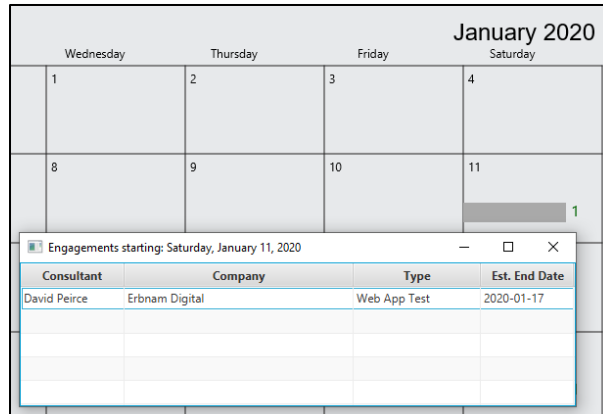
Company/Firm	Consultant	Type	Status	Location	Start Date	End Date
Ernam Digital	David Peirce	Web App Test	Scoping	Baltimore, MD	2020-01-11	2020-01-17
Cygiene Solutions	David Peirce	Development	Scoping	Phoenix, AZ	2020-01-25	2020-01-31
Qualcomm	Brent Chambers	Research	New	San Diego, CA	2020-01-28	2020-02-08
Ellingson Mineral Inc.	Kate Libby	Research	New	New York, NY	2020-03-05	2020-03-11
Quick Jets Corp	Brent Chambers	Network Penetration Test	New	Miami, FL	2020-02-09	2020-02-15
Evil Corp	Elliott Adlerson	Red Team Engagement	New	Buffalo, NY	2020-02-23	2020-02-29

New Engagement Manage Consultants

The SCATS Application's Interactive Calendar is used to visually represent the start date of active security engagements. Interaction with the calendar is performed by clicking the back "<-", forward "->", and "Today" navigation buttons at the bottom of the calendar view. Engagements scheduled to begin on a specific date are denoted by a rectangular marker within the calendar date and a value representing how many engagements are scheduled to start.

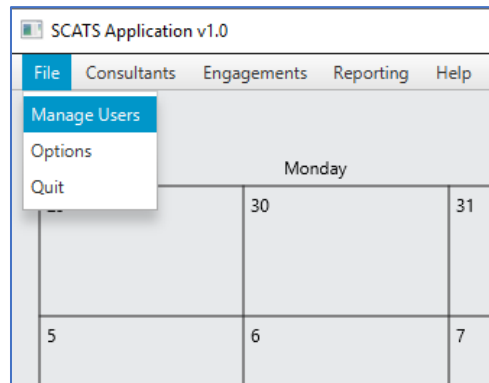


Upon clicking a date marker, an engagement management window will detail the engagements starting on that date.

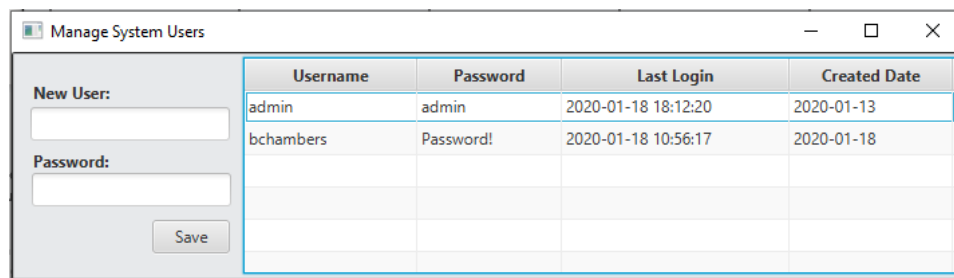


Manage SCATS System Users

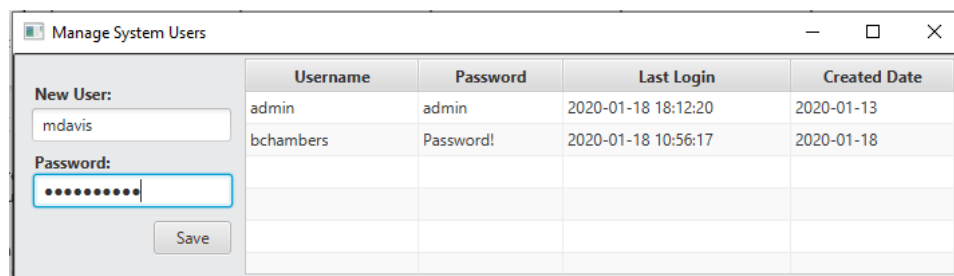
SCATS system users can be managed by navigating to File -> Manage Users



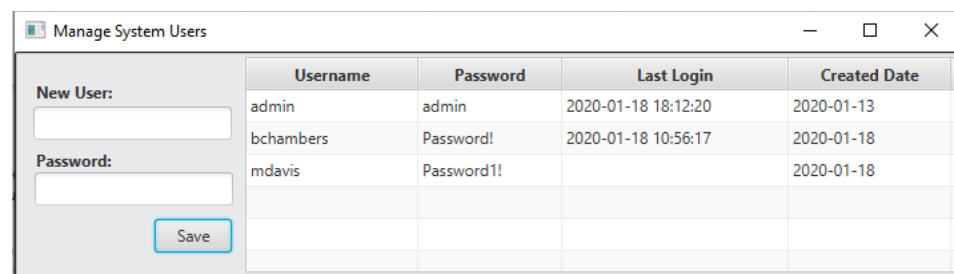
This will open the Manage Users dialog box, which allows you to create a new user, edit, or delete an existing user.



To create a new user, simply supply the New User field with a username, and the Password field password with at least 8 characters, and click Save.



A successfully created system user will show up in the System User's table.



The new user will not contain a Last Login value as the user has not yet authenticated to the SCATS system.

To change the username or password of an existing user, right click on the record within the System User's Table and select "Edit User".

The 'Manage System Users' window displays a table with the following data:

Username	Password	Last Login	Created Date
admin	admin	2020-01-18 18:12:20	2020-01-13
bchambers	Password!	2020-01-18 10:56:17	2020-01-18
mdavis	Password1!		2020-01-18

The 'mdavis' row is highlighted in blue. A context menu is open over this row, showing 'Edit User' and 'Delete User' options. On the left, there are input fields for 'New User:' and 'Password:', and a 'Save' button.

An Update System User dialog will be displayed. Update the Username and/or Password as appropriate, and click Save, to make the changes.

The 'Update System User' dialog box is shown, with the following fields:

- Username: mdavis2
- Password: Password1!

A 'Save' button is located at the bottom right of the dialog. The background 'Manage System Users' window is partially visible.

The changes to the User will not be reflected in the Manage User's Table until the Manage System User's window is closed and reopened.

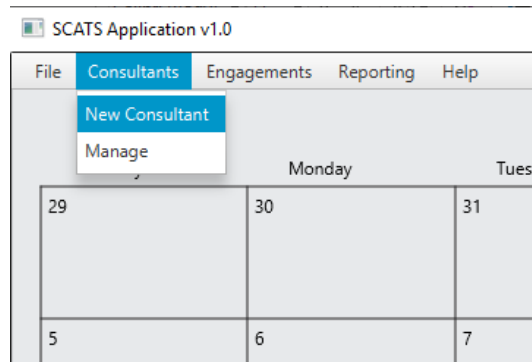
The 'Manage System Users' window is shown again, with the updated table data:

Username	Password	Last Login	Created Date
admin	admin	2020-01-18 18:12:20	2020-01-13
bchambers	Password!	2020-01-18 10:56:17	2020-01-18
mdavis2	Password1!		2020-01-18

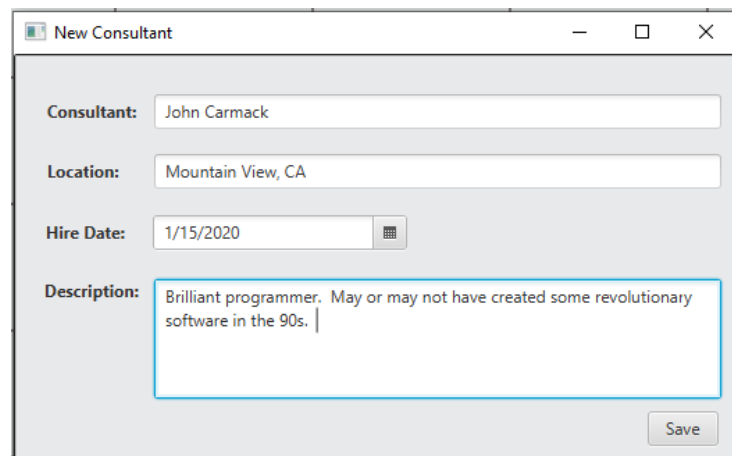
The 'mdavis' user has been replaced by 'mdavis2'. The left sidebar with input fields and the 'Save' button remains the same.

Add a New Security Consultant

A new security consultant can be added to the SCATS System by navigating to the primary menu bar and selecting Consultants → New Consultant.



A new consultant only requires a name, a primary location, and a hire date. A description of the consultant can be added as well, but it is optional upon initial creation. Once a Name, Location, and Hire Date are selected, click Save.

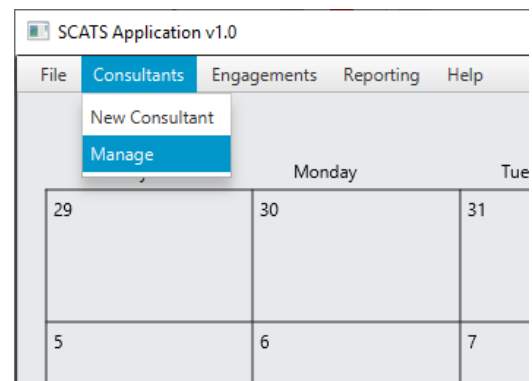


The screenshot shows the New Consultant form. It contains the following fields:

- Consultant:** John Carmack
- Location:** Mountain View, CA
- Hire Date:** 1/15/2020
- Description:** Brilliant programmer. May or may not have created some revolutionary software in the 90s.

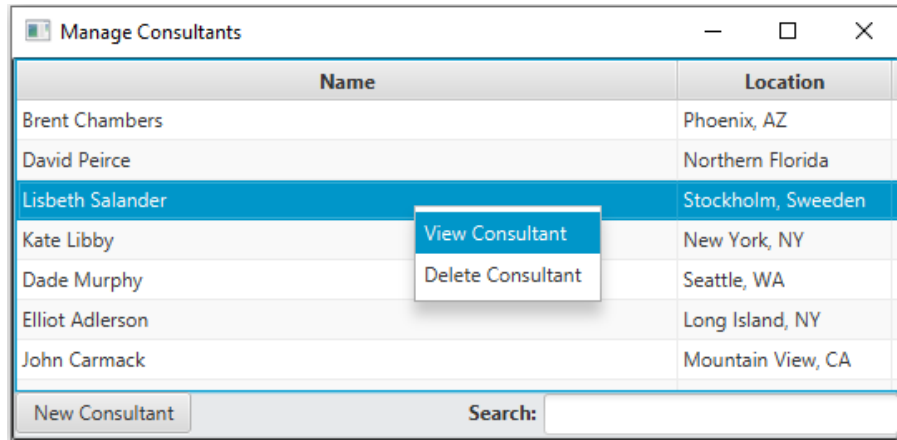
A Save button is located at the bottom right of the form.

Consultants are managed within the Manage Consultants tool found by clicking on Consultants -> Manage, from the main screen menu bar.

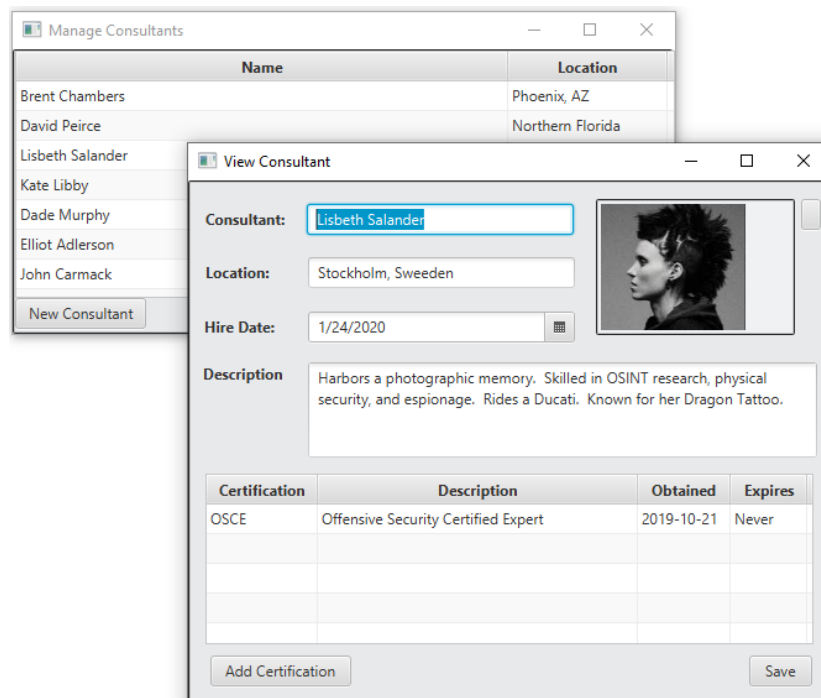


Manage Security Consultants and Certifications

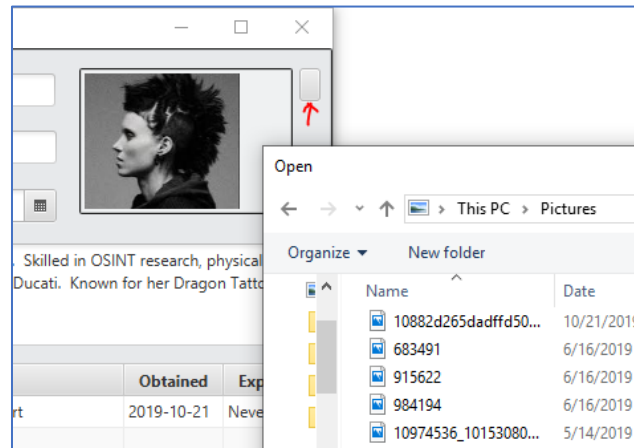
The Manage Consultants tool lists all active consultants within the database and the location from which they are primarily based. Management actions to take on each consultant are performed by right clicking on their individual consultant records.



Once a consultant is created and essentially onboarded into the program, additional details of their skills and qualifications may be required. To view or provide more information about a consultants' skillset, credentials and qualifications, right click their Consultant record and choose "View Consultant".

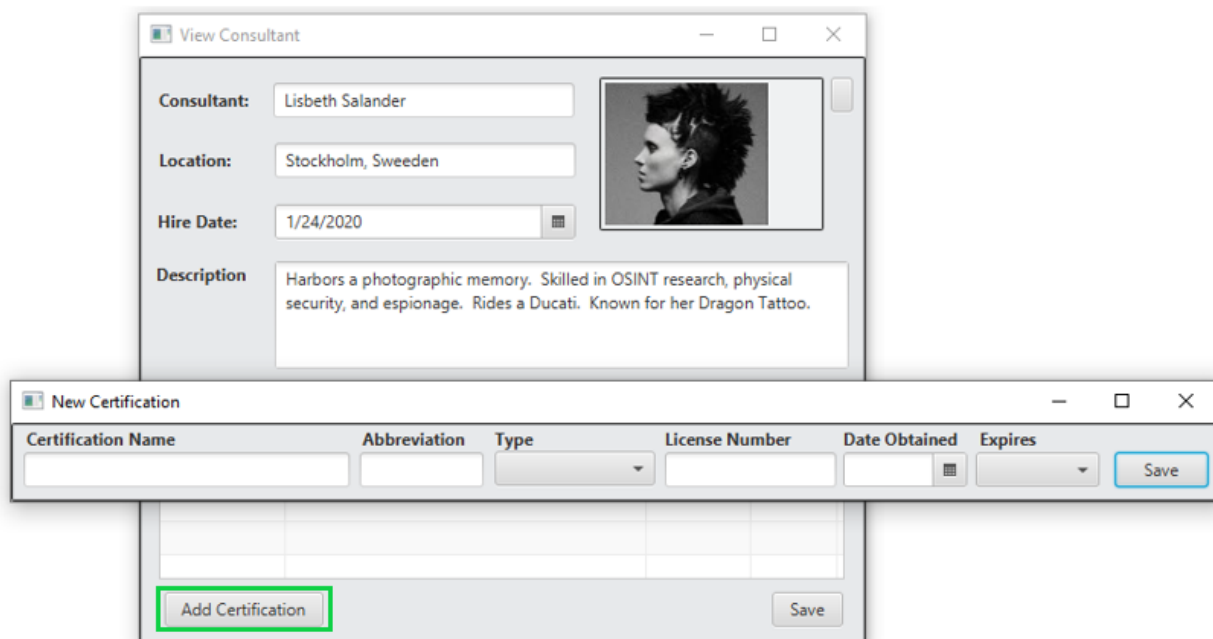


The Consultant's description and certifications are displayed in the "View Consultant" dialog. Changes in the Consultant, Location, or Hire Date fields are made only after the SAVE button is clicked. Changes made to the Consultant's profile image or certification list are made persistent immediately. To update a Consultant's profile picture, click the button next to the profile image and select an appropriate image file.



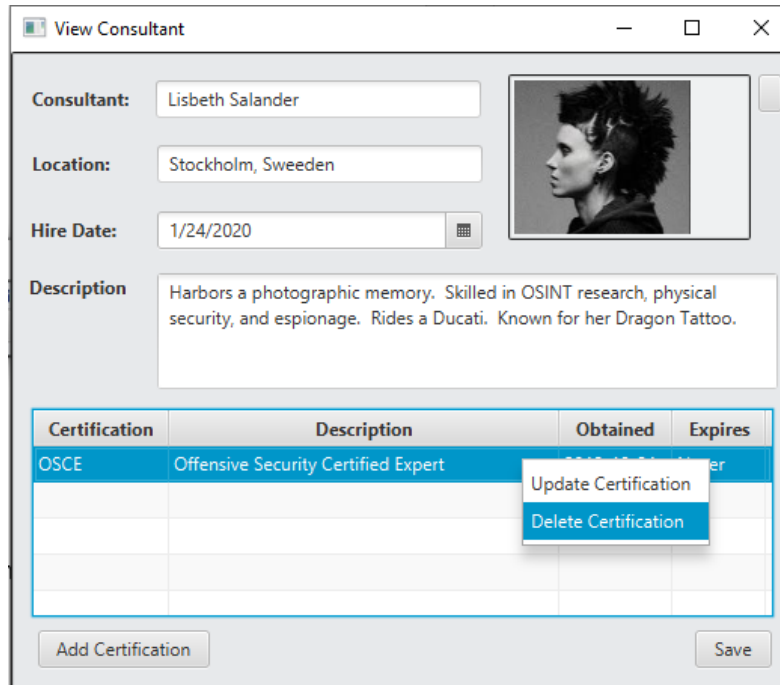
Manage Security Certifications

One of the primary features of the SCATS application is to track security certifications obtained by Security Consultants to ensure consultants are assigned work within their field of expertise. Certification management is handled within the "View Consultant" dialog per each consultant, where earned or obtained certifications are housed in a table associated with that consultant. To add a certification to a consultant's profile, click the "Add Certification" button.



A New Certification dialog will require a Certification Name, Abbreviation, Type, License Number, Obtained Date, and Expiration selection to be saved to the consultant's profile.

Certifications can be updated and deleted by right-clicking on the Certification item within the Certification table of View Consultant.



The screenshot shows a 'View Consultant' window with the following details:

- Consultant:** Lisbeth Salander
- Location:** Stockholm, Sweeden
- Hire Date:** 1/24/2020
- Description:** Harbors a photographic memory. Skilled in OSINT research, physical security, and espionage. Rides a Ducati. Known for her Dragon Tattoo.

A table of certifications is displayed below the description:

Certification	Description	Obtained	Expires
OSCE	Offensive Security Certified Expert	1/24/2020	1/24/2021

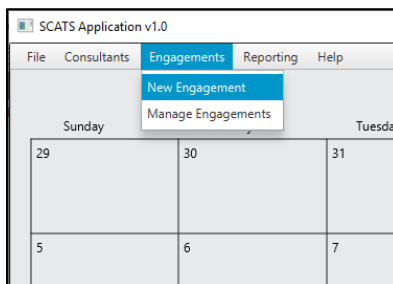
A right-click context menu is open over the first row of the table, showing the options 'Update Certification' and 'Delete Certification'.

At the bottom of the window are two buttons: 'Add Certification' and 'Save'.

Add a New Security Engagement

Managing security engagements is the core functionality of the SCATS application. New engagements can be created using the “New Engagement” button at the bottom of the primary SCATS application interface, or by selecting “New Engagement” from the main menu bar by navigating to Engagements -> New Engagement.

Active Engagements		
Company/Firm	Consultant	Type
Erbsnam Digital	David Peirce	Web App Test
Cygiene Solutions	David Peirce	Development
Qualcomm	Brent Chambers	Research
Quick Jets Corp	Brent Chambers	Network Penetration Test
Evil Corp	Elliot Adlerson	Red Team Engagement
<div><button>New Engagement</button><button>Manage Consultants</button></div>		



The “New Engagement” dialog will provide the necessary fields to populate in order to generate a New Engagement to be tracked within the SCATS system. At a minimum, a new engagement requires a Location, Company/Firm, Engagement Type, as well as Start and End date estimations for the required Fieldwork.

The 'New Engagement' dialog box is shown. It features the following fields and controls:

- Consultant Assigned:** A dropdown menu.
- Location:** A text input field.
- Company/Firm:** A text input field.
- Engagement Type:** A dropdown menu.
- Fieldwork Duration:** Two text input fields separated by a small icon.
- Description:** A large text area.
- Save:** A button at the bottom right.

These minimum requirements to create an engagement allow engagements to be queued and coordinated as additional information is gathered regarding the details of the assignment. As more

information is gathered and official documentation is obtained, a Consultant can be assigned, and the engagement's fieldwork can take place.

To manage an existing Engagement record, both the Active Engagements table in the primary SCATS application interface and the "Manage Engagements" menu item from the Engagements -> Manage Engagements menu toolbar, can be used.

By right-clicking on an existing engagement record in the Active Engagements, the engagement details can be observed by selecting "View Engagement".

Active Engagements			
Company/Firm	Consultant	Type	Status
Qualcomm	Brent Chambers	Research	New
Quick Jets Corp	Brent Chambers	Network Penetration Test	New
St. Marcus University	Brent Chambers	Training	New
Erbnam Digital	David Peirce	Web App Test	Scoping
Cygiene Solutions	David Peirce		Scoping
Ellingson Mineral Inc.	Kate Libby		New
<div>New Engagement Manage Consultants</div>			

View Engagement
Archive Engagement
Delete Engagement

The detailed view of an engagement provides the engagement status, as well as any documents or reports associated with the record.

View Engagement

Status: Scoping

Consultant Assigned: David Peirce

Location: Baltimore, MD

Company/Firm: Erbnam Digital

Engagement Type: Web App Test

Fieldwork Duration: 1/11/2020 1/17/2020

Description:
Internal PCI Web Application assessment. Test window is anytime.

Documents:

Filename	Date
Erbnam_Digital_Web_Application_Test_SOW_Final_20200103...	2020-01-02

Add Documentation

Reports:

Filename	Date
Erbnam_Digital_Web_Application_Test_Report_Final_202001...	2020-01-03

Add Documentation

Save

Files associated with an engagement are generally thought of as preliminary or supporting documents, or alternatively, reports that detail the actual work that was performed, including results and analysis. Document types are limited to MS Word Files, MS Excel Files, PDF Files, and Text files. When a file is to

be added to the SCATS system and effectively associated with an engagement, the “Add Documentation” button is used at the bottom of the View Engagement dialog to display the “Add New Document” tool.

The 'View Engagement' dialog box displays the following information:

- Status: Scoping
- Consultant Assigned: David Peirce
- Location: Baltimore, MD
- Company/Firm: Erbnam Digital
- Engagement Type: Web App Test
- Fieldwork Duration: 1/11/2020 to 1/17/2020
- Description: Internal PCI Web Application assessment. Test window is anytime.

The 'Documents' table shows one entry:

Filename	Date
Erbnam_Digital_Web_Application_Test_SOW_Final_20200103...	2020-01-02

The 'Add New Document' dialog box is open, showing the 'Add Documentation' button highlighted in the 'View Engagement' dialog.

When adding a new document from the “Add New Document” tool, it’s important to note that the file selected will be renamed to maintain a consistent naming convention. To add a new file, browse for the file on the local system to select it. Then provide the document type, the status (Draft or Final), and the original date of publication. Once the SAVE button is clicked, the file will be added to the SCATS system and stored within the /Reports/<CompanyName>/ directory where the SCATS application was originally executed.

The 'Add New Document' dialog box shows the following fields filled out:

- Document Type: Report
- Status: Final
- Publication Date: 4/7/2019
- File: Brent Chambers - Resume - 20190407.pdf

The 'Add Documentation' button is highlighted in the background dialog box.

Reports:

Filename	Date
Erbnam_Digital_Web_Application_Test_Report_Final_2020010...	2020-01-03
Erbnam_Digital_Web_App_Test_Report_Final_20190407.pdf	2019-04-07


Add Documentation

Save

> SCATSApplication > Reports > Erbnam_Digital

Name

Date modified

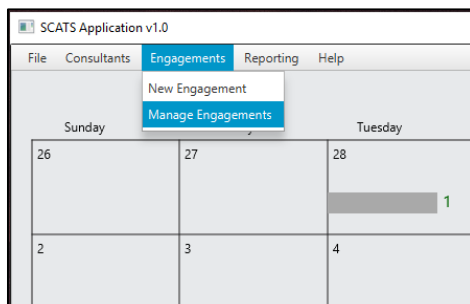
 Erbnam_Digital_Web_App_Test_Report_Final_20190407

1/18/2020 9:00 PM

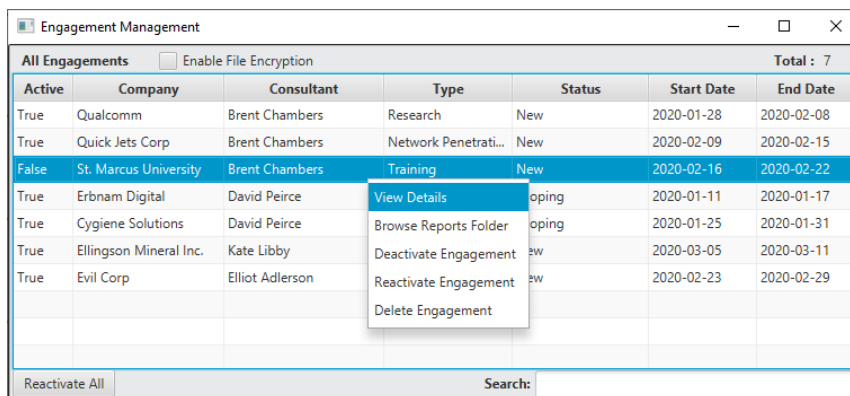
This process ensures all Engagement related documents and reports are stored, tracked, and managed in a centralized location.

Manage Security Engagements

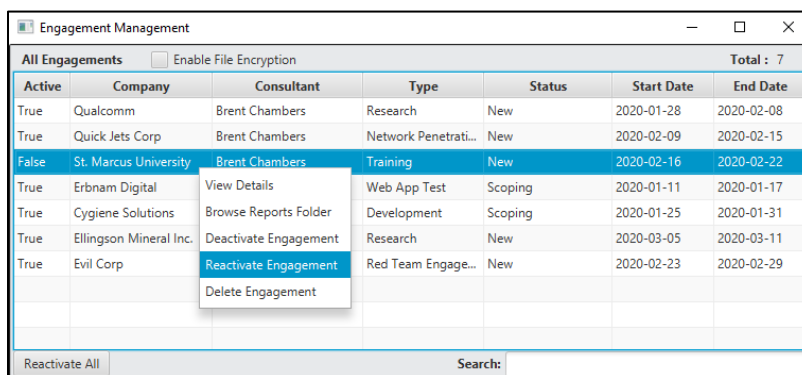
To manage both past and present engagements, the **Engagement Management** tool dialog is used. The **Engagements Management** tool dialog can be found by navigating to Engagements -> Manage Engagements, from the main menu toolbar of the SCATS application.



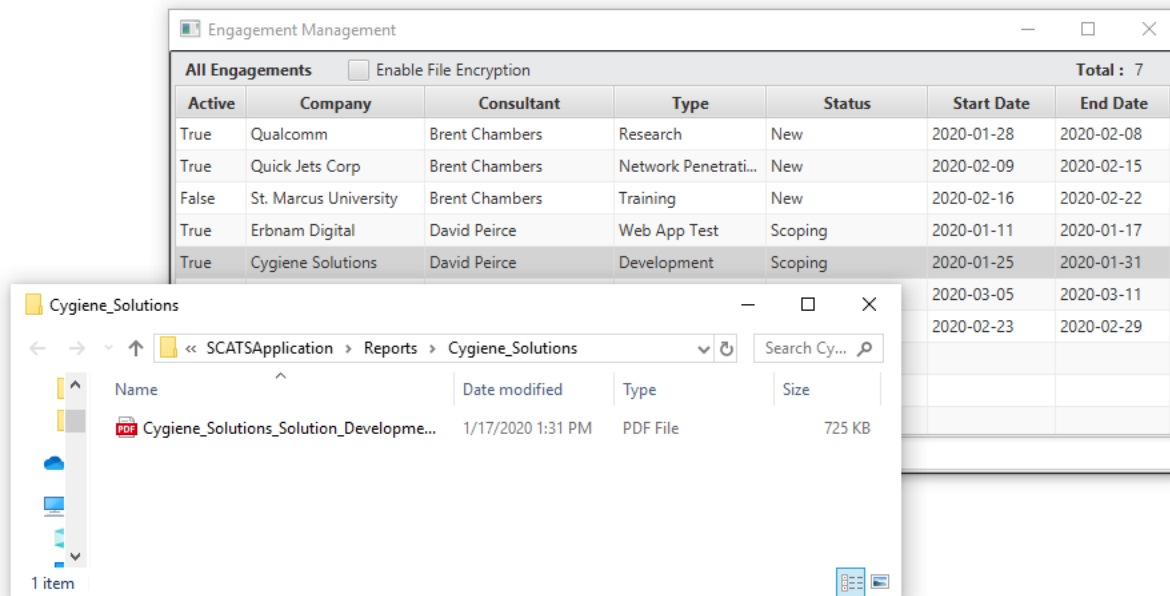
Engagement Management provides the ability to view, manage, and search all engagements stored in the SCATS database. Viewing individual engagement details is performed by right-clicking an engagement record and selecting the “View Details” menu item.



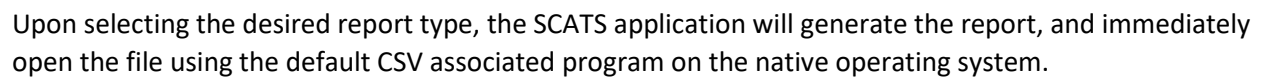
The Active and Inactive status of an engagement is used to effectively “background” an engagement without deleting it from the SCATS database. Inactive security engagements are not tracked on the main SCATS Active Engagements Calendar. Security Engagements can be activated and reactivated by right-clicking on the Engagement record within “Engagement Management” and selecting “Activate” or “Reactivate Engagement”.



To browse an engagement's documentation and reports folder, the "Browse Reports Folder" menu item can be selected from the drop-down menu upon right-clicking an individual engagement record. This will launch a file viewer/explorer window, native to the local operating system, if the engagement contains stored documentation.



The SCATS application provides functionality to generate raw data reports that reflect SCATS engagement, consultant, and certification information. Reports are generated in raw Comma Separated Value (CSV) format. To generate reports, the Reporting menu option from the main SCATS application interface is used. Existing reports include an **All Engagements Report**, an **Active Engagements Report**, an **All Consultants Report**, and an **All Certifications Report**.



all_engagements_report - Excel

File Home Insert Page Layout Formulas Data Review View Developer Help Tell me what you want to do

Paste Cut Copy Format Painter Clipboard

Calibri 11 A⁺ A⁻ B I U Font

Wrap Text Alignment Merge & Center

General Number

Conditional Formatting Styles

Insert Delete Cells

F19

	A	B	C	D	E	F	G	H	I	J
	Active	Company/Firm	Consultant	Location	Type	Status	Description	Time of Activation	Fieldwork Started	Fieldwork Ended
1	TRUE	Qualcomm	Brent Chambers	San Diego, CA	Research	New	Research assignment with clearance needed. See documentation.	2020-01-15 00:00:00	2020-01-28	2020-02-08
2	TRUE	Quick-Jets Corp	Brent Chambers	Miami, FL	Network Penetration Test	New	TBD	2020-01-17 00:00:00	2020-02-09	2020-02-15
3	FALSE	St. Marcus University	Brent Chambers	Bristol, CT	Training	New	Advanced Research Training Assignment.	2020-01-18 16:17:43	2020-02-16	2020-02-22
4	TRUE	Erbnam Digital	David Peirce	Baltimore, MD	Web App Test	Scoping	Internal PCI Web Application assessment. Test window is anytime.	2020-01-13 00:00:00	2020-01-11	2020-01-17
5	TRUE	Cygiene Solutions	David Peirce	Phoenix, AZ	Development	Scoping	See documentation.	2020-01-13 00:00:00	2020-01-25	2020-01-31
6	TRUE	Ellingson Mineral Inc.	Kate Libby	New York, NY	Research	New	Hack the Planet	2020-01-16 00:00:00	2020-03-05	2020-03-11
7	TRUE	Evil Corp	Elliot Adlerson	Buffalo, NY	Red Team Engagement	New	Classic red team engagement.	2020-01-17 00:00:00	2020-02-23	2020-02-29