



USER MANUAL

(317) 274-3942

Web: continuousassurance.org

App: mir-swamp.org

Twitter: [@swampteam](https://twitter.com/swampteam)

Technical Support

The SWAMP offers 24/7 support 365 days a year. Following is contact information for the SWAMP:

- Dial (317) 274-3942 (24/7/365)
- Email: support@continuousassurance.org

To create a support ticket, go to support@continuousassurance.org

Technical Support.....	1
Preface	3
Introduction to the Software Assurance Marketplace (SWAMP).....	3
Accessing the SWAMP	4
Registering with the SWAMP	4
Password Requirements.....	6
Forgotten Username/Password?	8
Signing in to the SWAMP	10
Update Your SWAMP Account.....	11
Change Your Password.....	12
Deleting Your SWAMP Account	14
Requesting Project Ownership.....	16
Requesting a New Project	16
Inviting Members to Your Project	21
Adding Your Software Package to the SWAMP	24
Upload a Software Package.....	25
Edit a Software Package	29
Adding, Updating or Deleting a Software Package Version	32
View or Add a Version of a Software Package	32
Delete a Software Package	34
Software Package Sharing: Private, Public, or Protected.....	36
Managing Assessment Runs	38
Add an Assessment Run	38
Delete an Assessment Run	40
Schedule a Run Request	41
Run Request Scheduling Options	42
One-time Runs.....	43
Add a New Run Request	44
Delete a Scheduled Run Request.....	50
Managing Assessment Tools.....	51
Adding Assessment Tools.....	51
Editing an Assessment Tool.....	53
Adding, Updating, or Deleting an Assessment Tool Version	55
View or Add a Version of an Assessment Tool	55
Deleting a Tool	58
Assessment Tool Sharing: Private, Public or Protected.....	60
Protected Assessment Tools	61
Glossary.....	62

Preface

This document guides selected users to successfully use the Software Assurance Marketplace (SWAMP).

The SWAMP is state-of-the-art software designed to serve as an open resource for software developers, assurance tool developers and researchers who wish to perform continuous assurance (CSwA) testing in a safe, secure environment.

The SWAMP is funded by the Department of Homeland Security, and directed by academic experts in high-throughput computing, identity management, and security from the following organizations: the Morgridge Institute for Research, the National Center for Supercomputing Applications at the University of Illinois at Champagne-Urbana, the Center for Applied Cybersecurity Research at Indiana University and the University of Wisconsin-Madison.

Introduction to the Software Assurance Marketplace (SWAMP)

The SWAMP is a national, no cost resource for software assurance (SwA) technologies, used across research institutions, non-governmental organizations and civilian agencies and their communities as both a research platform and a core component in the software development life-cycle.

It is our vision that widespread adoption of the SWAMP services will lead to a more secure and safer software ecosystem.

The Software Assurance Marketplace (SWAMP) channels the mission of the Department of Homeland Security Science and Technology Directorate's (DHS S&T) Cyber Security Division by:

- Developing and leveraging technologies, tools and techniques to defend and secure current systems to better protect critical infrastructures against attacks from our adversaries,
- Facilitating technology transition through a marketplace approach where a collection of innovative technologies can be harnessed by the community, and
- Providing a collaborative research environment by which DHS customers, agencies of the U.S. government, academia, private industry and international partners can exchange technical and research ideas to help advance software security and quality improvements.

The SWAMP may be used without cost by open-source, for profit, and non-profit organizations to test software for vulnerabilities and/or security risks. The

accessibility of the SWAMP allows users at all levels to engage in the software development life-cycle. A user can upload his/her Software Package and/or Assessment Tool to the SWAMP for SwA testing. At launch, users will have access to over 100 Software Packages on the most popular Platforms (operating systems).

The SWAMP protects your intellectual property and personally identifiable information. You control access to your Software Packages, Assessment Tools, and software Assessment Results.

In the future, the SWAMP will offer the most frequently requested Software Packages, Software Assessment Tools, and Platforms.

The SWAMP currently provides the following software assurance services:

1. For software written in one of the top three programming languages:
 1. Java
 2. C
 3. C++
2. For assessments using one or more most popular open-source static code analysis tools. Specifically:
 1. FindBugs ~ On any supported Linux operating system supporting JVM 1.7.0_17 or greater
 2. PMD ~ On any supported Linux operating system supporting JVM 1.7.0_17 or greater
 3. Clang Static Analyzer ~ C/C++ for any supported Linux operating system
 4. Cppcheck ~ C/C++ for any supported Linux operating system
 5. Gcc ~ C++ compiler
3. For software that runs on one or more of these popular Platforms (operating systems):
 1. Red Hat Enterprise Linux 6.4 32-bit
 2. Red Hat Enterprise Linux 6.4 64-bit
 3. Fedora 18 64-bit
 4. Fedora 19 64-bit
 5. Ubuntu 12.04.2 64-bit
 6. Debian 7.0 64-bit
 7. Scientific Linux 5.9 64-bit
 8. Scientific Linux 6.4 64-bit

Accessing the SWAMP

Registering with the SWAMP

In order to access the SWAMP, a user registration form must be submitted and will require some personally identifiable information. You may have more than one SWAMP user account. A different email address or login identifications will

be needed for each additional user account that is created. You may use the same email address and personally identifiable information in additional SWAMP user accounts that was used in your initial SWAMP user account.

Please note that your privacy is important to us. We will not provide your personal information to other organizations.

Follow the steps below to register with the SWAMP.

****Note:** *If at any time, SWAMP administration believes that your user account(s) is not being used appropriately, your account will be deactivated immediately by SWAMP administration. If this happens, contact SWAMP at support@continuousassurance.org for any questions you may have, to request account reactivation, or to determine next steps to be able to access the SWAMP again.*

1. Navigate to **mir-swamp.org**. Select **Sign Up**.
2. Read and accept the “**Acceptable User Policy**.”

must not be used with classified data. Do not upload classified data to SWAMP.

4.0 Proper Acquisition and Licensing of Software

All software used on SWAMP systems must have been appropriately acquired and properly licensed. Possession or use of illegally copied software is prohibited. Likewise users shall not duplicate copyright-protected software or materials, except as permitted by the owner of the copyright. Some software installed on SWAMP resources may require special authorization in order to be used. Users must abide by the requirements for protecting it from misuse.

5.0 Termination/Access Restriction


SWAMP reserves the right, in its sole discretion, to terminate your access to the SWAMP Web Site and the related services or any portion thereof at any time, without notice.

Statement of Agreement

By clicking 'I Accept' it serves as acknowledgement that you have read and understand your responsibilities as a user. If you have questions, please contact the Help Desk at support@continuousassurance.org.

☒ **I accept**

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SWAMP
About
Contact



Welcome to the SWAMP

SWAMP Username

SWAMP Password

or

[Help, I forgot my password](#)

What is the SWAMP?

The Software Assurance Marketplace (SWAMP) is a national marketplace that provides continuous software assurance capabilities to researchers and developers. Let the SWAMP help you to build better, safer, more secure code.

Who Uses the SWAMP?

[Read More »](#)

Why Use the SWAMP?

[Read More »](#)

How to Use the SWAMP?

[Read More »](#)

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Notes:

- All fields are required, with the exception of Street Address 2.
- For the Email address field, only email addresses from institutions are allowed to use the SWAMP. For example, Jack.Smith@morgridge.org. Freely available email accounts are prohibited, for example, Gmail, Hotmail, and Yahoo.
- For the SWAMP Username field, the system generates an anonymous username to protect the user's identity. The user can change the default username. The username may be recorded in log files.
- For the Phone Number field the country code will be inserted when the user selects "country." Type the area code, and the local number.

Password Requirements

A strong password is required to complete registration and for access to the SWAMP. The following are the **minimum acceptable** password requirements:

- At least ten characters.
- At least one upper case alphabetic character.
- At least one lower case alphabetic character.
- At least one digit.
- Symbols are encouraged.
- Do not use words found in the dictionary.

- The maximum password length is 200 characters.
3. On the **User Registration Form**, type the requested information, and select **Submit**.

SWAMP [About](#) [Contact](#) [Help](#)

User Registration Form

PERSONAL INFO

Given name * Karen ✓

Family name * Hitchcock ✓

Preferred name * Karen ✓

Affiliation * Morgridge Institute for Research ✓

ACCOUNT INFO

Email address * khitchcock@continuousassurance.org ✓

Confirm email address * khitchcock@continuousassurance.org ✓

SWAMP username * swamp20099 ✓

SWAMP password *
 Strong ✓

Confirm SWAMP password *
 ✓

ADDRESS

Street Address 1 * 330 N Orchard ✓

Street Address 2

City * Madison ✓

State * WI ✓

Postal code * 53715 ✓

Country * United States

Country code * 1

Area code * 608 ✓

Phone number * 31 64226
 Phone number
 Please include your telephone number.

PHONE

*Fields are required

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SWAMP

4. After submitting the registration form, you will be asked to verify your email address. Select **OK**.

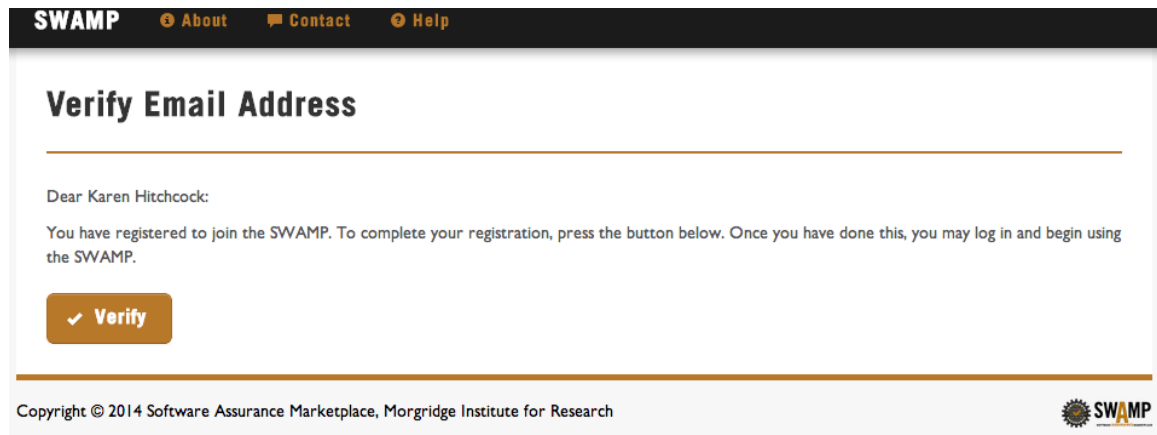
From: "Software Assurance Marketplace: Do Not Reply" <do-not-reply@mir-swamp.org>
 Subject: SWAMP User Verification
 Date: February 3, 2014 5:42:19 AM CST
 To: Karen Hitchcock <khitchcock@continuousassurance.org>

Dear Karen Hitchcock,

You have registered to join the SWAMP. To complete the registration process, click this link: <https://www.mir-swamp.org/#register/verify-email/2a199095-1445-83bf-3c21-f49b48a9675a>

-The Software Assurance Marketplace (SWAMP)

5. You will receive a verification email. Within the email follow the instructions to verify your email address.



6. You have now completed the registration process and can sign in to the SWAMP.

Forgotten Username/Password?

If you have forgotten your login information, navigate to the **Welcome to the SWAMP** screen and select **Help, I forgot my password** or **Help, I forgot my username**, depending on what information you need to reset.

Resetting Your Password

1. Please enter your SWAMP User Name or Email Address.
2. Select Reset Password.
3. An email will be sent to the email address associated with your SWAMP account containing your new password.
4. Once you receive this email please sign in and reset your password.

SWAMP

About

Contact

CONTINUOUS
ASSURANCE

SWAMP

SOFTWARE ASSURANCE MARKETPLACE

SWAMP Username

SWAMP Password

✓ Sign In

 or

✎ Sign Up

Help, I forgot my password

Welcome to the SWAMP

What is the SWAMP?

The Software Assurance Marketplace (SWAMP) is a national marketplace that provides continuous software assurance capabilities to researchers and developers. Let the SWAMP help you to build better, safer, more secure code.

Who uses the SWAMP?
Read More »

Why use the SWAMP?
Read More »

How to use the SWAMP?
Read More »

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SWAMP

Reset Password

✕

Please enter your SWAMP username or email address below. By clicking the reset password button, your password will be reset and an email will be sent to your account's email address containing your new password. When you receive this email, please log in and reset your password.

SWAMP Username:

 or

Email Address:

✓ Reset Password

✕ Cancel

you to build better, safer, more secure code.

Resetting Your Username

1. Please enter your Email Address.
2. Select Request Username.

Version 20140122

Page 9 of 63

3. An email will be sent to the email address associated with your SWAMP account with your current username.

Signing in to the SWAMP

At the **Welcome to the SWAMP** screen, sign in. If you are not yet a registered user of the SWAMP, you must first register. If you are registered, sign in with your username and password to access the SWAMP dashboard.

SWAMP [About](#) [Contact](#)

Welcome to the SWAMP

SWAMP Username

SWAMP Password

or

[Help, I forgot my password](#)

What is the SWAMP?

The Software Assurance Marketplace (SWAMP) is a national marketplace that provides continuous software assurance capabilities to researchers and developers. Let the SWAMP help you to build better, safer, more secure code.

Who Uses the SWAMP?
[Read More »](#)

Why Use the SWAMP?
[Read More »](#)

How to Use the SWAMP?
[Read More »](#)

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SWAMP

Update Your SWAMP Account

In the event that your personal information changes, you have the ability to update your personal information in your profile at any time.

1. Sign in to the SWAMP.
2. From the **Home** screen select **My Account** to make changes to your account, such as editing your profile. Select **Edit Profile**.

SWAMP About Contact Help Welcome, swamp20099 Sign Out

My Profile

Given name	Karen	PERSONAL INFO
Family name	Hitchcock	
Preferred name	Karen	
Affiliation	Morgridge Institute for Research	ACCOUNT INFO
Email address	khitchcock@continuousassurance.org	
SWAMP username	swamp20099	ADDRESS
Street address 1	330 N Orchard	
Street address 2		
City	Madison	PHONE
State	WI	
Postal code	53715	
Country	United States	
Country code	1	
Area code	(608)	
Phone number	3164226	

Edit Profile Request Ownership Delete Account Cancel

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3. On the **Edit My Profile** screen, make the desired changes and select **Submit**.

SWAMP [About](#) [Contact](#) [Help](#) Welcome, swamp20099 [Sign Out](#)

CONTINUOUS ASSURANCE

[Home](#)

[My Account](#)

[Add New Package](#)

Edit My Profile

PERSONAL INFO

Given name *

Family name *

Preferred name *

Affiliation *

ACCOUNT INFO

Email address *

Confirm email address *

ADDRESS

Street Address 1 *

Street Address 2

City *

State *

Postal code *

Country *

PHONE

Country code *

Area code *

Phone number *

***Fields are required**

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SWAMP

Change Your Password

In the event you would like a new password or you feel that your current password might have become compromised at any time, you have the option to change your password.

1. To change your password, select **Change Password**.
2. See Password Requirements on page 6 for more information about creating a strong password.
3. Type the new password and select **Submit**.

SWAMP [About](#) [Contact](#) Welcome, swamp1999 [Sign Out](#)

Change My Password

New password *

Confirm new password *

*Fields are required

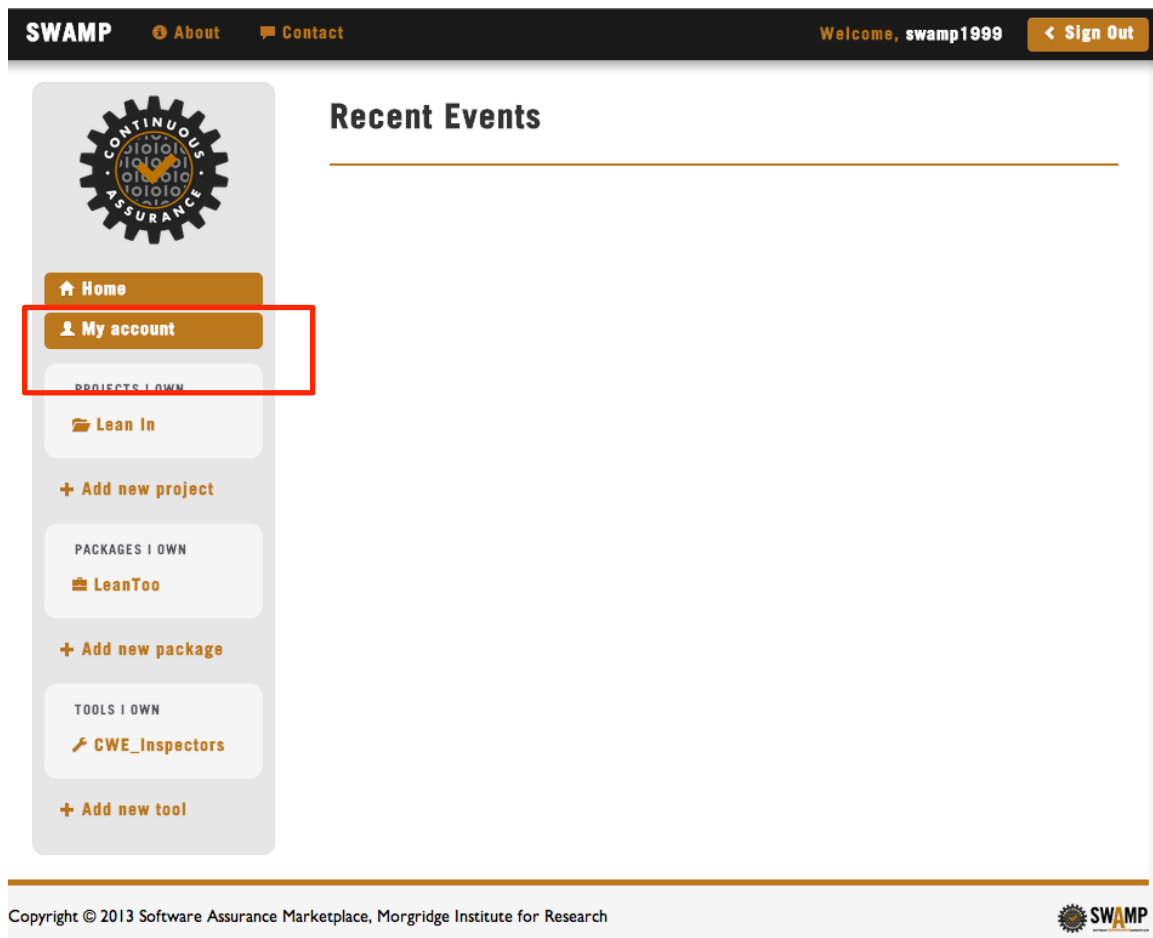
SWAMP
Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research

Deleting Your SWAMP Account

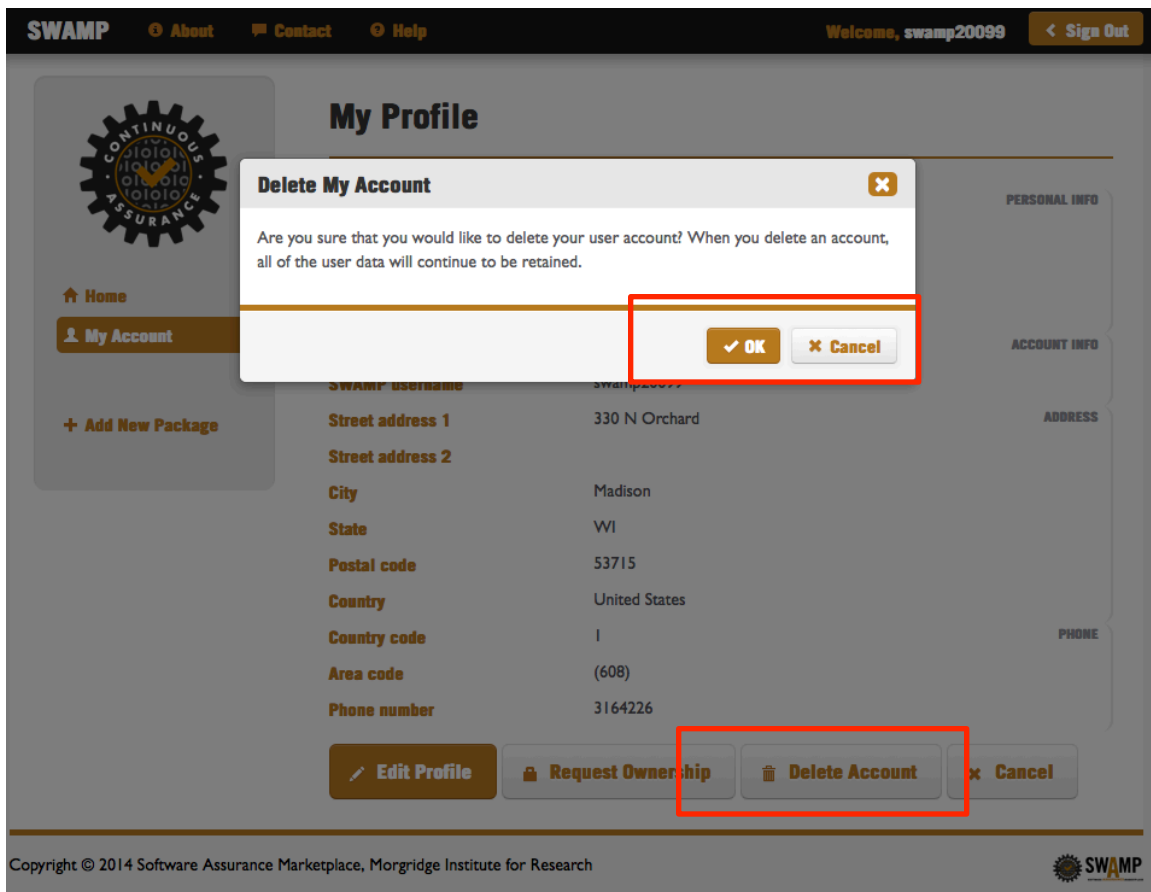
If for any reason you would like to delete your SWAMP user account, you have the option to do so. By deleting your SWAMP user account, you will lose access to all information within in your SWAMP user account. The information will be stored in the SWAMP databases. If in the future, you wish to use the SWAMP again, you may register for a new SWAMP user account at any time. You will need to fill out the **User Registration Form** to create a new user account (pages 4-8).

For access to your user account information, contact SWAMP at support@continuousassurance.org

1. To delete your SWAMP account, from any screen select **My Account**.



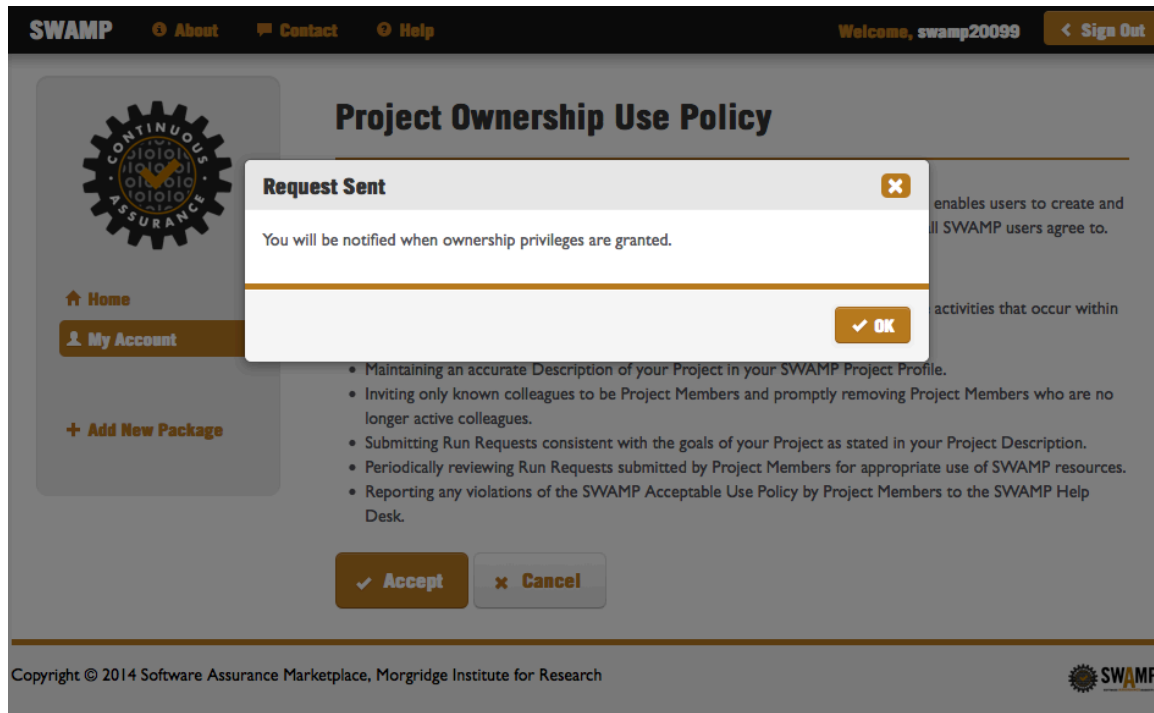
2. On the **My Profile** screen, select **Delete Account**.



3. You will receive a prompt asking you to confirm the deletion. Select **OK** to delete your account or **Cancel** to cancel your request.

Requesting Project Ownership

In an effort to ensure cybersecurity, users must Project Ownership status. Follow the steps below to become an approved Project Owner. Once approved, you may create projects and invite others to join your Project. Project Members can create Assessment Runs, schedule Run Requests, and view Assessment Results. You only need to request ownership of a project once.



Requesting a New Project

In an effort to ensure cybersecurity, users must request approval for their SWAMP Projects. Follow the steps below to request a Project. Once approved, you may invite others to join your Project. Project Members can create Assessment Runs, schedule Run Requests, and view Assessment Results. You only need to request ownership of a project once. After your initial project has been approved, you can create additional projects without approval from SWAMP administration.

1. On the **Project Request** screen select **Add New Project**.

SWAMP [About](#) [Contact](#) Welcome, swamp1999 [Sign Out](#)

Project Registration Form

Full name *

Short name (alias) *

Affiliation *

Description *

+ Add new project

PACKAGES I OWN

+ Add new package

TOOLS I OWN

+ Add new tool

Submit **Cancel**

*Fields are required

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SWAMP

2. On the **Project Registration Form** screen, complete the following fields:

Full name

The full name is the long version of your Project's name used in Project descriptions.

Short name

The Project short name or alias is the short version of your Project's name and will appear in the sidebar.

Affiliation

Please include the company, university, or other organization with which your Project is affiliated.

Assessment Results Viewer

Choose the results viewer from the

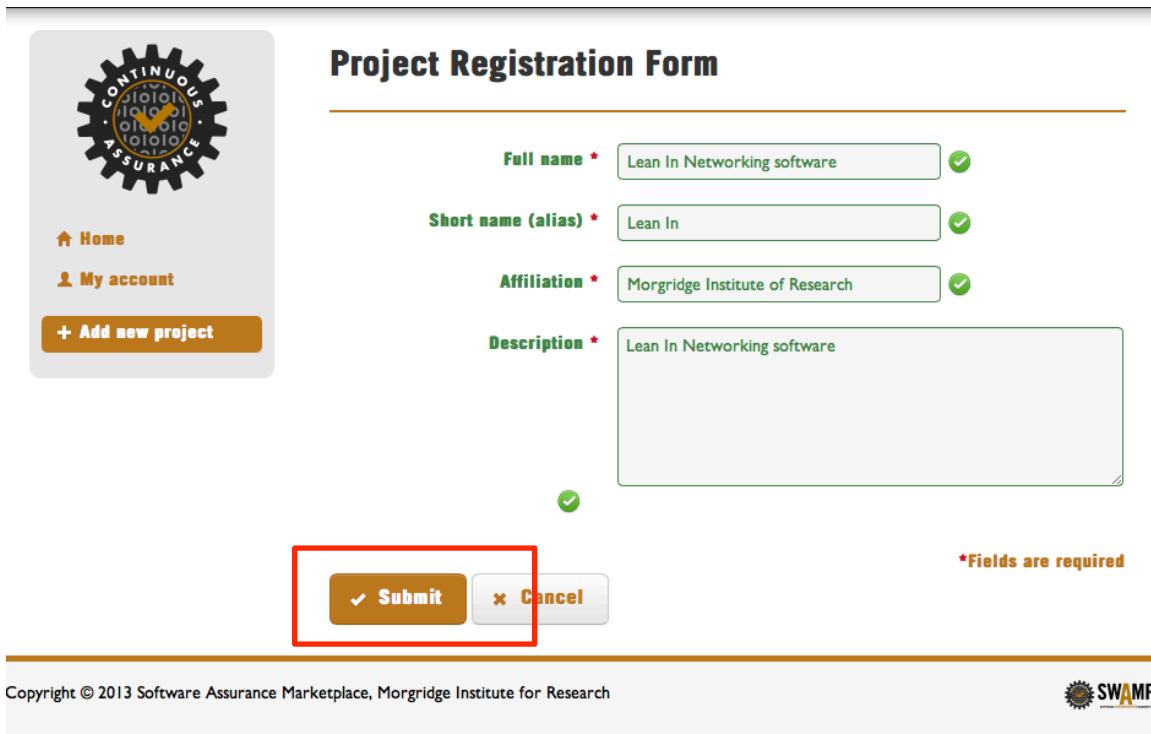
Description

Please provide a description of your Project to help a SWAMP administrator approve your Project.

3. Select **Submit**.

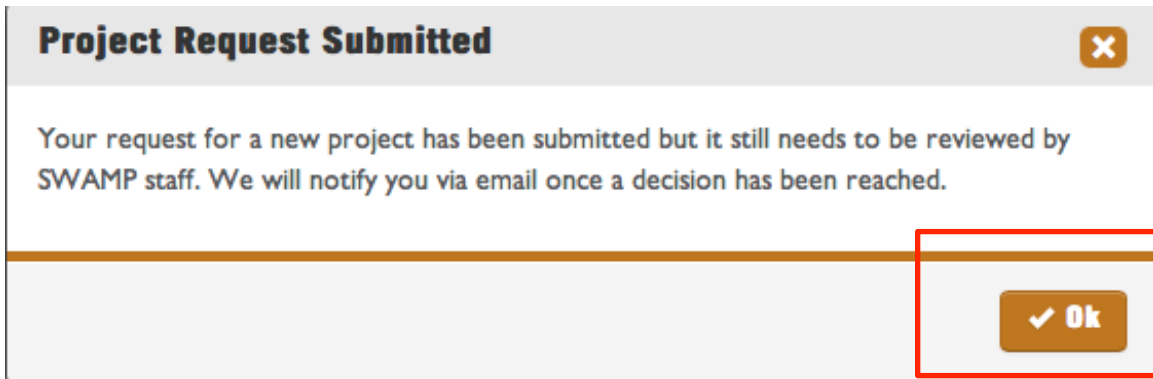
Administrators of the SWAMP shall review the information provided in the Affiliation and Description fields to assess whether or not the information provided is appropriate and the intention of the user does not violate **Acceptable Use Policy**.

A SWAMP administrator may contact the User requesting a new Project before arriving at a decision if the information provided is insufficient or incase the administrator needs more information about the project to correctly assess before approving.



The screenshot displays the 'Project Registration Form' interface. On the left is a sidebar with a gear icon labeled 'CONTINUOUS ASSURANCE' and three menu items: 'Home', 'My account', and '+ Add new project'. The main form area is titled 'Project Registration Form' and contains four required fields, each marked with an asterisk and a green checkmark: 'Full name' (filled with 'Lean In Networking software'), 'Short name (alias)' (filled with 'Lean In'), 'Affiliation' (filled with 'Morgridge Institute of Research'), and 'Description' (filled with 'Lean In Networking software'). Below the fields is a green checkmark icon. At the bottom, there are two buttons: 'Submit' (highlighted with a red rectangle) and 'Cancel'. A red asterisk note '*Fields are required' is located at the bottom right of the form area. The footer contains the copyright text 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

4. The Project Request Submitted confirmation message appears. Select **OK**.



5. Upon approval, you will receive a notification email. The project vetting process may take up to 2 business days, depending on the SWAMP staff's ability to contact the person requesting the project. However, we make every effort to process Project Requests promptly.



6. To view Project request status, navigate to the Recent Events screen by selecting **Home**.


SWAMP

About

Contact

Welcome, swamp1999

Sign Out



Home

My account

PROJECTS I OWN

Lean In

PENDING PROJECTS

Kat

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

Recent Events

Project Kat Submitted

Tuesday, October 22, 2013

Project Swamp Kat was submitted for approval.

Project Gamma Rejected

Tuesday, October 22, 2013

Project Gamma Wave was rejected by a SWAMP administrator.

Project Gamma Submitted

Monday, October 21, 2013

Project Gamma Wave was submitted for approval.

Project Lean In Approved

Monday, September 30, 2013


Project Lean In Networking software was approved by a SWAMP administrator.

Project Lean In Submitted

Sunday, September 29, 2013

Project Lean In Networking software was submitted for approval.

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Inviting Members to Your Project

Project Owners may invite others to join to their Project. Invitees do not need to be current users of the SWAMP, but must register with the SWAMP to become a Project Member. Project Members are able to create Assessment Runs, schedule Run Requests, and view Assessment Results. A Project Owner is automatically a Project Member.

1. The Home screen lists your project under PROJECTS I OWN.
2. Select a Project you own.
3. Select the **Members** tab.

The screenshot shows the SWAMP web application interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main navigation menu on the left lists 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), '+ Add new project', 'PACKAGES I OWN' (with a 'LeanToo' button), '+ Add new package', 'TOOLS I OWN' (with a 'CWE_Inspectors' button), and '+ Add new tool'. The main content area displays the 'Lean In Project Profile' with a sub-menu containing 'Details', 'Members' (highlighted with a red box), 'Assessments', 'Run Requests', 'Runs', and 'Results'. The project details table lists the following information:

Project full name	Lean In Networking software
Project short name (alias)	Lean In
Owner	Sheryl Sandberg
Affiliation	Morgridge Institute of Research
Creation date	Sunday, September 29, 2013
Accepted date	Sunday, September 29, 2013
Description	Lean In Networking software

At the bottom of the profile section are two buttons: 'Edit Profile' and 'Delete Project'. The footer contains the copyright notice 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

4. The **Project Members** screen appears.

***Note: SWAMP automatically lists the Project Owner's name.*

5. Select **Invite New Members**.

The screenshot shows the SWAMP web interface. The top navigation bar includes 'SWAMP', 'About', 'Contact', 'Welcome, swamp1999', and a 'Sign Out' button. The left sidebar contains a 'CONTINUOUS ASSURANCE' logo and links for 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), 'PACKAGES I OWN' (with a 'LeanToo' button), and 'TOOLS I OWN' (with a 'CWE_Inspectors' button). The main content area is titled 'Lean In Project Members' and shows a list of members for the 'Lean In Networking software' project. The member list has columns for Name, Email, Affiliation, Join Date, and Admin. One member, Sheryl Sandberg, is listed with email jhurd@morgridgeinstitute.org and affiliation Morgridge Institute for Research. Below the table, there are three buttons: 'Invite new members' (highlighted with a red box), 'Submit', and 'Cancel'.

Name	Email	Affiliation	Join Date	Admin
Sheryl Sandberg	jhurd@morgridgeinstitute.org	Morgridge Institute for Research		<input type="checkbox"/>

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6. From the Project Invitations screen, select **Add Invitation**.

SWAMP About Contact Welcome, swamp1999 Sign Out

Details Members Assessments Run Requests Runs Results

Lean In Project Invitations

The following SWAMP users have previously been invited to project Lean In Networking software.

Name	Email	Invitation Date	Status
John Hurd	jhurd@morgridgeinstitute.org	9/29/13	Pending
Johnny Hurd	jhurd@continuousassurance.org	9/29/13	Pending

No new project invitations.

+ Add invitation Send Cancel

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SWAMP

7. Type the name and email of the person you are inviting.
8. Continue to Add invitations for any others for whom you want to join your Project. Individuals do not have to be registered users of the SWAMP to be invited, but must register if they are going to be a part of the project.
9. Select **Send**.

SWAMP

About

Contact

Welcome, swamp1999

Sign Out

[Home](#)
[My account](#)

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

Details

Members

Assessments

Run Requests

Runs

Results

Lean In Project Invitations

The following SWAMP users have previously been invited to project Lean In Networking software.

Name	Email	Invitation Date	Status
John Hurd	jhurd@morgridgeinstitute.org	9/29/13	Pending
Johnny Hurd	jhurd@continuousassurance.org	9/29/13	Pending

Name

Email

Lauren Steinbeck

lsteinbeck@morgridgeinstitute.org

+ Add invitation

Send

Cancel

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SWAMP

10. You will receive a notification that invitations have successfully been sent to all new persons invited to join your Project.

Project Invitations Sent

Your invitations to project Lean In Networking software have been successfully sent to all recipients.

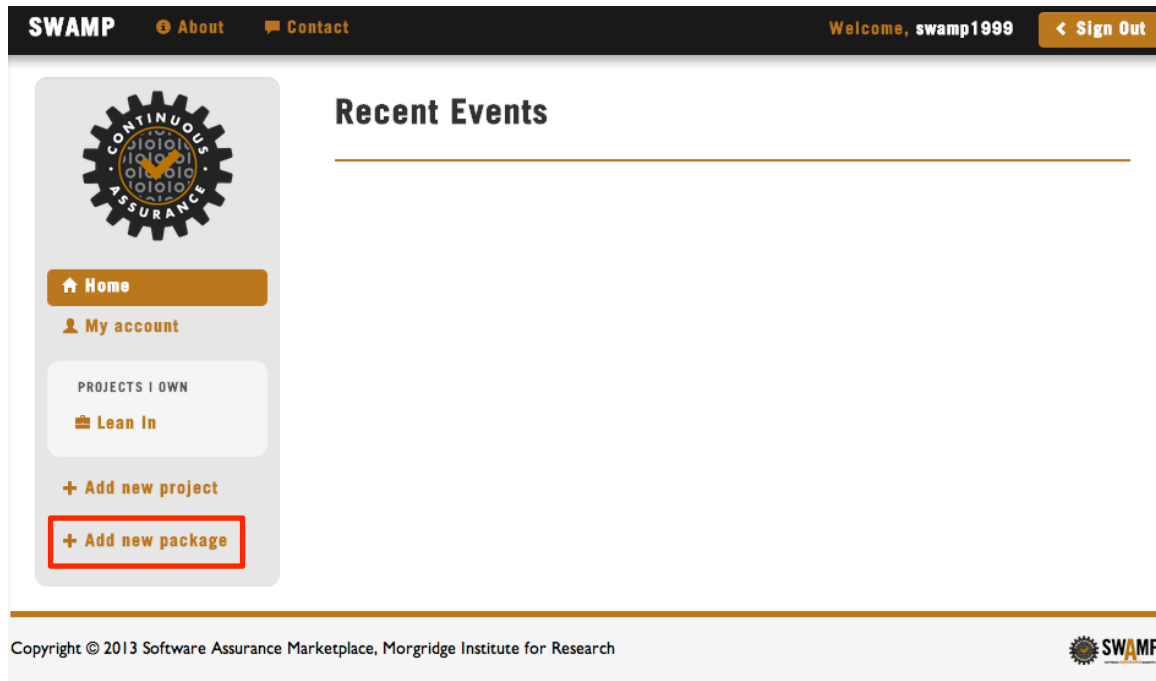
Ok

Adding Your Software Package to the SWAMP

You may add and upload, edit or delete your Software Packages. A Software Package is a set of files containing related software or source code that needs to be assessed for vulnerabilities or insecurities.

Upload a Software Package

1. To add your own Software Package, select **Add New Package**.



2. Complete the fields on the form.

Name: Name of the Software Package.

Version: Revision of the uploaded software.

Build script: File to upload to SWAMP.

Source path: A required field and is the name of the top level directory that is produced when the archive file is unarchived.

Package type: This tells whether or not to invoke the build system to build the software from source code. From the dropdown menu choose C/C++, Java source code, or Java byte code.

Build system: Name of the system to use to build the software. For C/C++, Make, Make+Configure, CMake+Make or other may be

used. For Java source, Ant, Ant+Ivy or Maven could be chosen. *This is an optional field.*

Advanced settings

Configure path: The name of the directory relative to package-dir to change before running the configure command and is used only with C/C++ packages. *This is an optional field.*

Configure command: The name of a command to configure the package before building. If undefined/empty, no command is run. This is only used for C/C++ packages. *This is an optional field.*

Configure options: The name of options i.e. the arguments to pass to the configure command and is used only with C/C++. *This is an optional field.*

Build path: It is the path to the directory related to the source path to change to before building. *This is an optional field and is used for C/C++/Java.*

Build file: Used only with C/C++/Java source packages. It is the path to the build file related to the build path to use for the build systems except for the “Other” build command. For a build system type “Other”, the name of the file needs to be passed in the build options. This is only used with C/C++/Java source packages. *This is an optional field.*

Build command: If a build system other than the ones listed above has to be used, “Other” from the build system menu has to be selected and a build command to execute the package needs to be provided. This is optional and is used only C/C++ packages.

Build options: Name of the options and arguments to pass to the build command. Only for C/C++/Java source packages. *This is an optional field.*

Build target: The name of the file to be created by the build process. This target is passed to the build command. It is used only with C/C++/Java source. *This is an optional field.*


Description (public): A text description of the package that is visible to any user of the package.

Description (private): A text description of the package that is only visible to the owner of the project.

3. Select **Submit** to upload your Software Package. You will receive a notification once the upload is complete

SWAMP [About](#) [Contact](#)

Welcome, swamp1999 [Sign Out](#)



[Home](#)
[My account](#)
PROJECTS I OWN
[Lean In](#)
[+ Add new project](#)
[+ Add new package](#)

Add New Package

Name *

LeanToo

✓

File *

Choose File

LeanT00_4.0.1_MacX86_OSX.dmg

✓

Version *

4.0.1

✓

Source path *

src

✓

Build output path

bin

✓

Deployment command *

open

✓

Build command

make

✓

Description (public) *

LeanToo is a professional networking utility to manage contacts.

✓

Description (private)

Open-source version of LinkedIn.

✓

✓ Submit

✕ Cancel

*Fields are required

SWAMP

About
Contact
Help

Welcome, Itorvalds

Sign Out

Home

My Account

PROJECTS I OWN

Linux

Area 51

+ Add New Project

PACKAGES I OWN

Blah

Blah

Goo

Blah

Test Package2

Test Package2

+ Add New Package

Version *

1.0

Package path *

src

Package type

Java source

BUILD SCRIPT

unzip goo.zip

cd src

Build system

Ant

JAVA SOURCE BUILD INFO

Advanced settings

Build path

Build file

Build options

Build target

Description (public) *

This is the initial release of this package.

COMMENTS

SWAMP

About
Contact
Help

Welcome, Itorvalds

Sign Out

PROJECTS I OWN

Linux

Area 51

+ Add New Project

PACKAGES I OWN

Blah

Blah

Goo

Blah

Test Package2

Test Package2

+ Add New Package

Package type

C/C++

BUILD SCRIPT

unzip goo.zip

cd src

make

Build system

Make

C/C++ BUILD INFO

Advanced settings

Configure path

config

CONFIG

Configure command

Configure options

Build path

Build file

Build command

make

Build options

Build target

BUILD

Edit a Software Package

1. From the **Home** screen select a Software Package to edit.

The screenshot displays the SWAMP web application interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'Recent Events'. On the left sidebar, there is a 'CONTINUOUS ASSURANCE' logo and several navigation options: 'Home', 'My account', 'PROJECTS I OWN' with a 'Lean In' button, '+ Add new project', 'PACKAGES I OWN' with a 'LeanToo' button (highlighted by a red box), '+ Add new package', 'TOOLS I OWN' with a 'CWE_Inspectors' button, and '+ Add new tool'. The footer contains copyright information: 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

2. On the **Package Profile** screen Select **Edit Package**.

The screenshot shows the SWAMP (Software Assurance Marketplace) interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'LeanToo Package Profile' and features tabs for 'Details', 'Versions', and 'Sharing'. The 'Details' tab is active, displaying the package name 'LeanToo', the owner 'Sheryl Sandberg', and the creation date 'Friday, October 18, 2013'. Below this information, there are two buttons: 'Edit Package' (highlighted with a red rectangle) and 'Delete Package'. The left sidebar contains a 'CONTINUOUS ASSURANCE' logo and sections for 'PROJECTS I OWN' (with 'Lean In' listed), 'PACKAGES I OWN' (with 'LeanToo' listed), and 'TOOLS I OWN' (with 'CWE_Inspectors' listed). The footer contains copyright information for 2013 Software Assurance Marketplace, Morgridge Institute for Research, and the SWAMP logo.

SWAMP About Contact Welcome, swamp1999 Sign Out

Details Versions Sharing

LeanToo Package Profile

Package name LeanToo

Owner Sheryl Sandberg

Creation date Friday, October 18, 2013

Edit Package Delete Package

Home My account

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

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SWAMP

3. From this screen you can change the name of the Software Package.
Type the revised name of the Software Package and select **Save**.

SWAMP About Contact Welcome, swamp1999 < Sign Out

Details Versions Sharing

Edit LeanToo Package Profile

Name * LeanTwo ✓

✓ Save ✕ Cancel *Fields are required

Home My account PROJECTS I OWN Lean In + Add new project PACKAGES I OWN LeanToo + Add new package TOOLS I OWN CWE_Inspectors + Add new tool

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4. You will receive confirmation of the change. Select **OK**.

Package Profile Updated ✕

The package profile of LeanToo Contact Manager has been successfully updated.

✓ Ok

✓ Save ✕ Cancel

Adding, Updating or Deleting a Software Package Version

View or Add a Version of a Software Package

From the **Versions** tab you can view your Software Package or add a new version of your Software Package.

1. Select the **Versions** tab, and then select **Add Version**.

The screenshot shows the SWAMP web interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'LeanToo Package Versions' and shows a table of available versions. A red box highlights the '+ Add Version' button.

Version	Description	Date
1.0	A contact manager for professional networking.	10/18/13

+ Add Version

2. From the **Add New Version** screen complete the fields on the form.

Name: Name of the Software Package.

Version: Revision of the uploaded software.

Build script: File to upload to SWAMP.

Source path: A required field and is the name of the top level directory that is produced when the archive file is unarchived.

Package type: This tells whether or not to invoke the build system to build the software from source code. From the dropdown menu choose C/C++, Java source code, or Java byte code.

Build system: Name of the system to use to build the software. For C/C++, Make, Make+Configure, CMake+Make or other may be used. For Java source, Ant, Ant+Ivy or Maven could be chosen. *This is an optional field.*

Advanced settings

Configure path: The name of the directory relative to package-dir to change before running the configure command and is used only with C/C++ packages. *This is an optional field.*

Configure command: The name of a command to configure the package before building. If undefined/empty, no command is run. This is only used for C/C++ packages. *This is an optional field.*

Configure options: The name of options i.e. the arguments to pass to the configure command and is used only with C/C++. *This is an optional field.*

Build path: It is the path to the directory related to the source path to change to before building. *This is an optional field and is used for C/C++/Java.*

Build file: Used only with C/C++/Java source packages. It is the path to the build file related to the build path to use for the build systems except for the “Other” build command. For a build system type “Other”, the name of the file needs to be passed in the build options. This is only used with C/C++/Java source packages. *This is an optional field.*

Build command: If a build system other than the ones listed above has to be used, “Other” from the build system menu has to be selected and a build command to execute the package needs to be provided. This is optional and is used only C/C++ packages.

Build options: Name of the options and arguments to pass to the build command. Only for C/C++/Java source packages. *This is an optional field.*

Build target: The name of the file to be created by the build process. This target is passed to the build command. It is used only with C/C++/Java source. *This is an optional field.*

Description (public): A text description of the package that is visible to any user of the package.

Description (private): A text description of the package that is only visible to the owner of the project.

Delete a Software Package

1. To delete a Software Package, navigate to the **Package Versions** screen. Select the **X** next to the version you wish to delete.

The screenshot shows the SWAMP web interface. The top navigation bar includes 'SWAMP', 'About', 'Contact', 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'LeanToo Package Versions' and shows a table of available versions. A red box highlights the 'X' icon next to version 1.0, indicating the delete action.

Version	Description	Date	
1.0	A contact manager for professional networking.	10/18/13	X

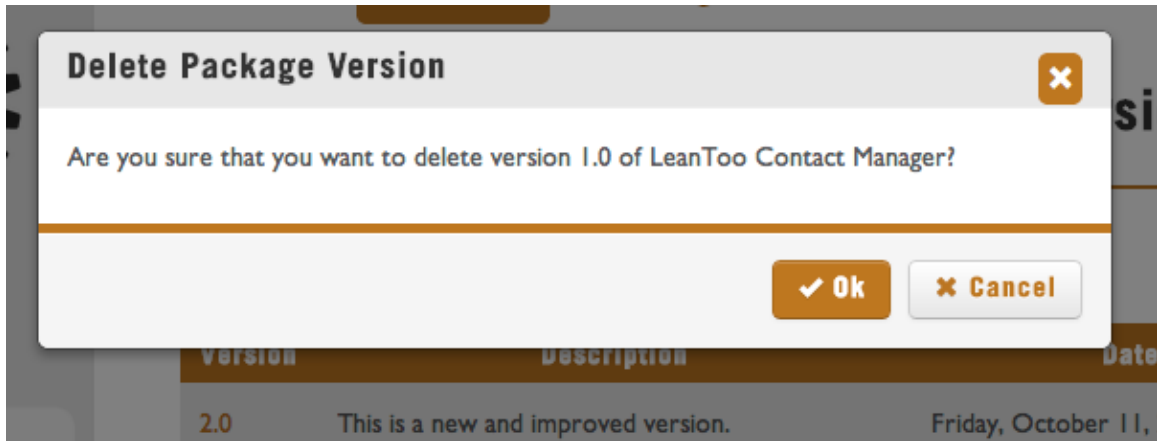
Below the table is a '+ Add Version' button.

Left sidebar navigation:

- Home
- My account
- PROJECTS I OWN
 - Lean In
 - + Add new project
- PACKAGES I OWN
 - LeanToo
 - + Add new package
- TOOLS I OWN
 - CWE_Inspectors
 - + Add new tool

Footer: Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research. SWAMP logo.

2. You will receive a prompt asking you to confirm the deletion. Select **OK** to delete or **Cancel** to cancel your request.



Software Package Sharing: Private, Public, or Protected

You can share your Software Packages in one of three modes:

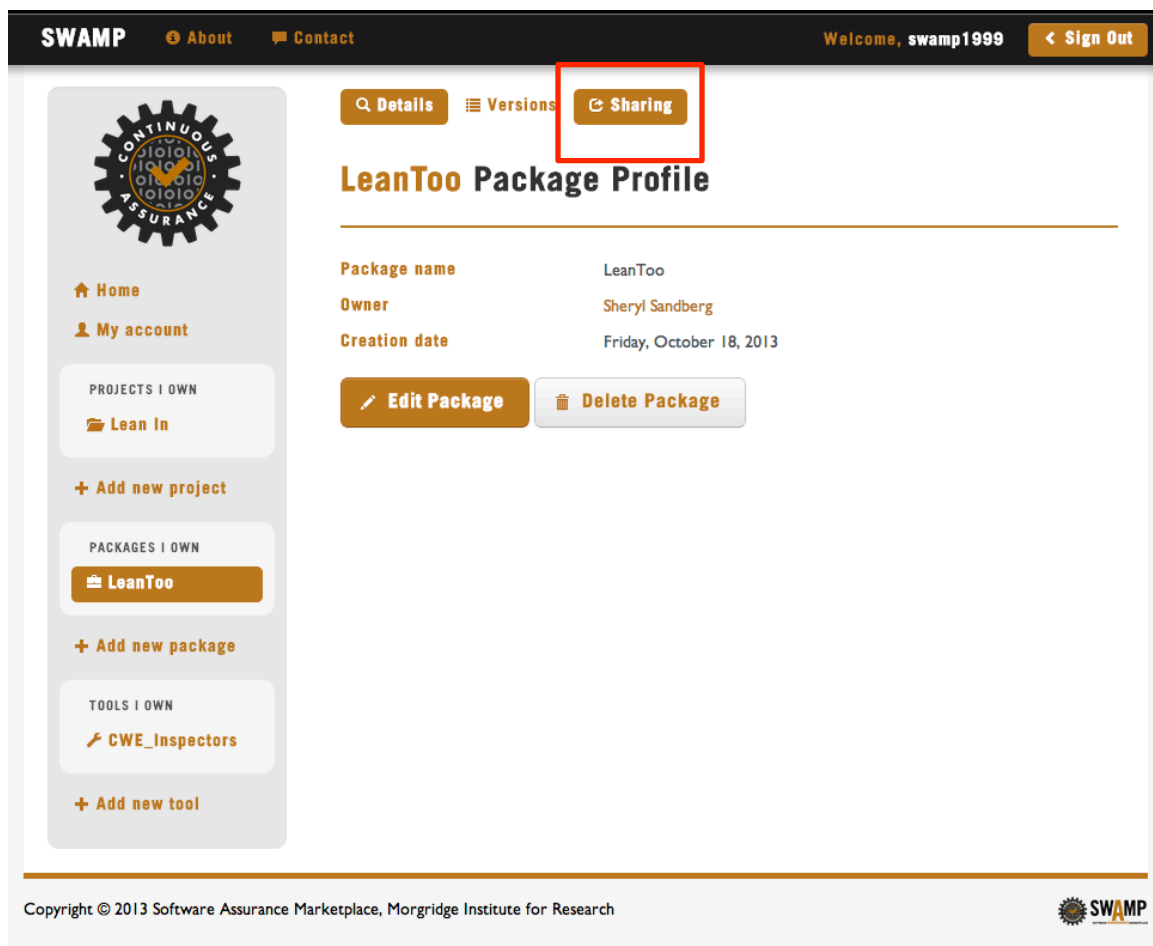
- Private
- Public
- Protected

Private: Only the Project Owner can see Software Packages.

Public: Every SWAMP user can see Software Packages.

Protected: The Project Owner can choose to share Software Packages in a Project with selected Members of that Project team.

1. Navigate to the **Package Profile** screen. Select **Sharing**.




2. The **Package Sharing** screen appears.

SWAMP

About
Contact

Welcome, swamp1999

Sign Out



Home
My account

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

Details
Versions
Sharing

LeanToo Package Sharing

☐ Private

This package is private and can only be seen by the package owner.

☒ Public

This package is public and may be seen by any SWAMP user.

☐ Protected


This package is shared with members of the following projects:

Name	Affiliation
<input type="checkbox"/> Lean In Networking software	Morgridge Institute of Research

Save

Cancel

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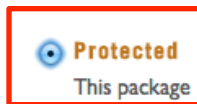


3. Select the radio button to choose what level of access to the Software Package you wish to give Project Members.
4. Select **Save**.

****Note: You do not have to be a Project Owner to upload a Package to the SWAMP.**

Version 20140122

Page 37 of 63



	Name	Affiliation
<input type="checkbox"/>	Lean In Networking software	Morgridge Institute of Research



Managing Assessment Runs

After an Assessment Run has been schedule, the Assessment Run will proceed through three states listed below:

1. **Scheduled:** The Scheduled state happens after you create a Run Request for the Assessment Run.
2. **Running:** The scheduled Run Request is executing the specified Assessment Run.
3. **Done:** The scheduled Run Request has completed and Assessment Results are available.


****Note:** You can view the details of each stage by selecting the current status under the **Status** field.

Add an Assessment Run

1. Select **Add Assessment**. From each dropdown menu:
 1. Choose a Software Package and its version.
 2. Choose an Assessment Tool and its version.
 3. Choose a Platform and its version.
2. Select **Save**.

SWAMP [About](#) [Contact](#) Welcome, swamp1999 [Sign Out](#)

[Details](#) [Members](#) **[Assessments](#)** [Run Requests](#) [Runs](#) [Results](#)



[Home](#)
[My account](#)
PROJECTS I OWN
[Lean In](#)
[Add new project](#)
PACKAGES I OWN
[LeanToo](#)
[Add new package](#)
TOOLS I OWN
[CWE_Inspectors](#)
[Add new tool](#)

Add Lean In Assessment

Package
Select a package to assess:

Suricata

Select a version:

Latest

Tool
Select a tool to perform the assessment:

Findbugs

Select a version:

Latest

Platform
Select a platform to use:


Ubuntu Linux

Select a version:

Latest

✓ Save

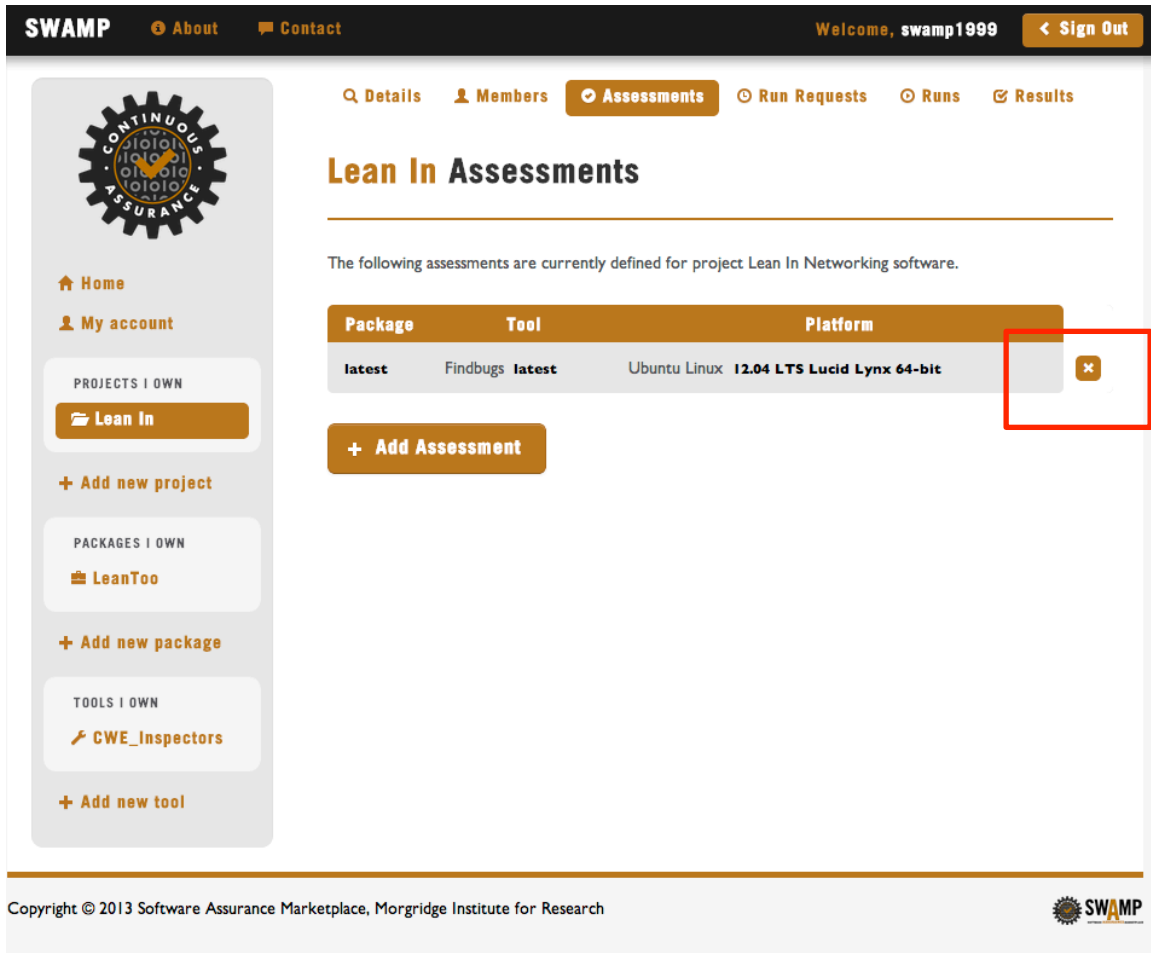
✕ Cancel

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3. You will receive a confirmation message. Select **OK**.

Delete an Assessment Run

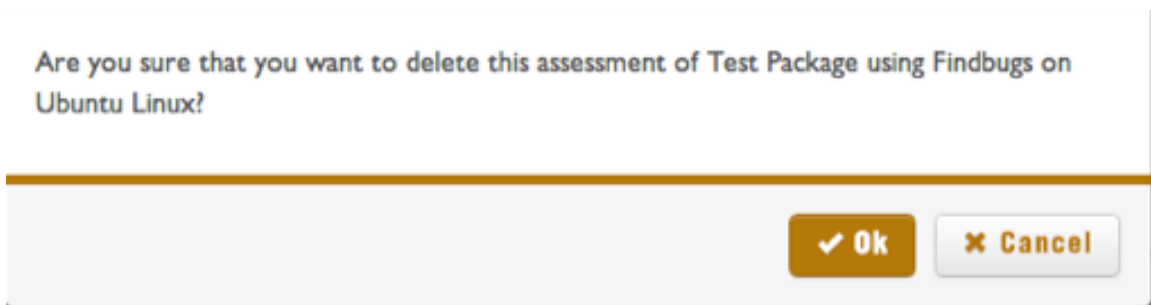
1. To delete an Assessment Run, navigate to the **Assessments** screen.
Select the **X** to the right of the Assessment Run you wish to delete.



The screenshot shows the SWAMP web interface. The top navigation bar includes 'SWAMP', 'About', 'Contact', and a user greeting 'Welcome, swamp1999' with a 'Sign Out' button. The main navigation menu has 'Details', 'Members', 'Assessments' (selected), 'Run Requests', 'Runs', and 'Results'. The left sidebar contains a 'CONTINUOUS ASSURANCE' logo and links for 'Home', 'My account', 'PROJECTS I OWN' (Lean In), 'Add new project', 'PACKAGES I OWN' (LeanToo), 'Add new package', 'TOOLS I OWN' (CWE_Inspectors), and 'Add new tool'. The main content area is titled 'Lean In Assessments' and states 'The following assessments are currently defined for project Lean In Networking software.' Below this is a table with columns 'Package', 'Tool', and 'Platform'. The table contains one row: 'latest', 'Findbugs latest', and 'Ubuntu Linux 12.04 LTS Lucid Lynx 64-bit'. A red box highlights a delete button (an 'X' icon) to the right of this row. Below the table is a '+ Add Assessment' button. The footer contains copyright information and the SWAMP logo.

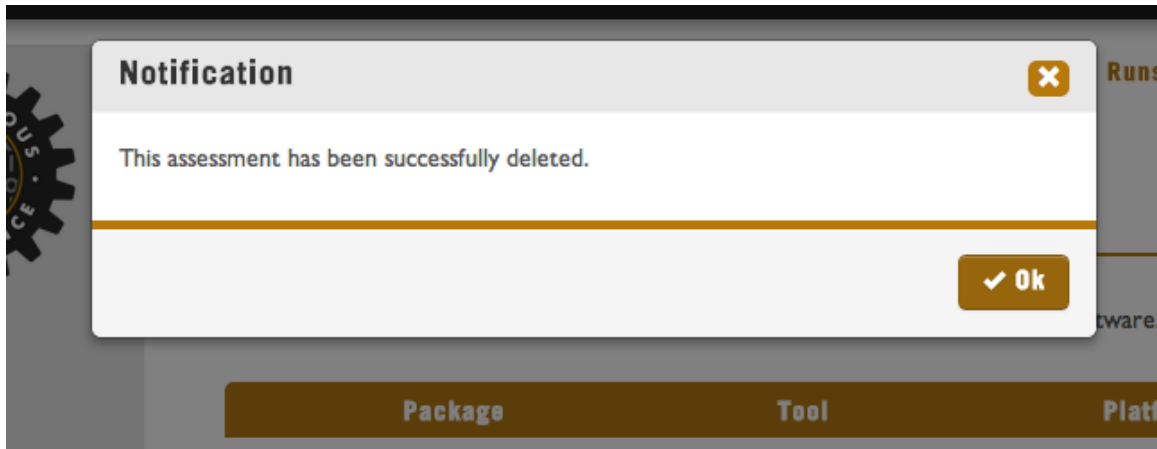
Package	Tool	Platform
latest	Findbugs latest	Ubuntu Linux 12.04 LTS Lucid Lynx 64-bit

2. Select **OK** to confirm that you wish to delete the Assessment Run.



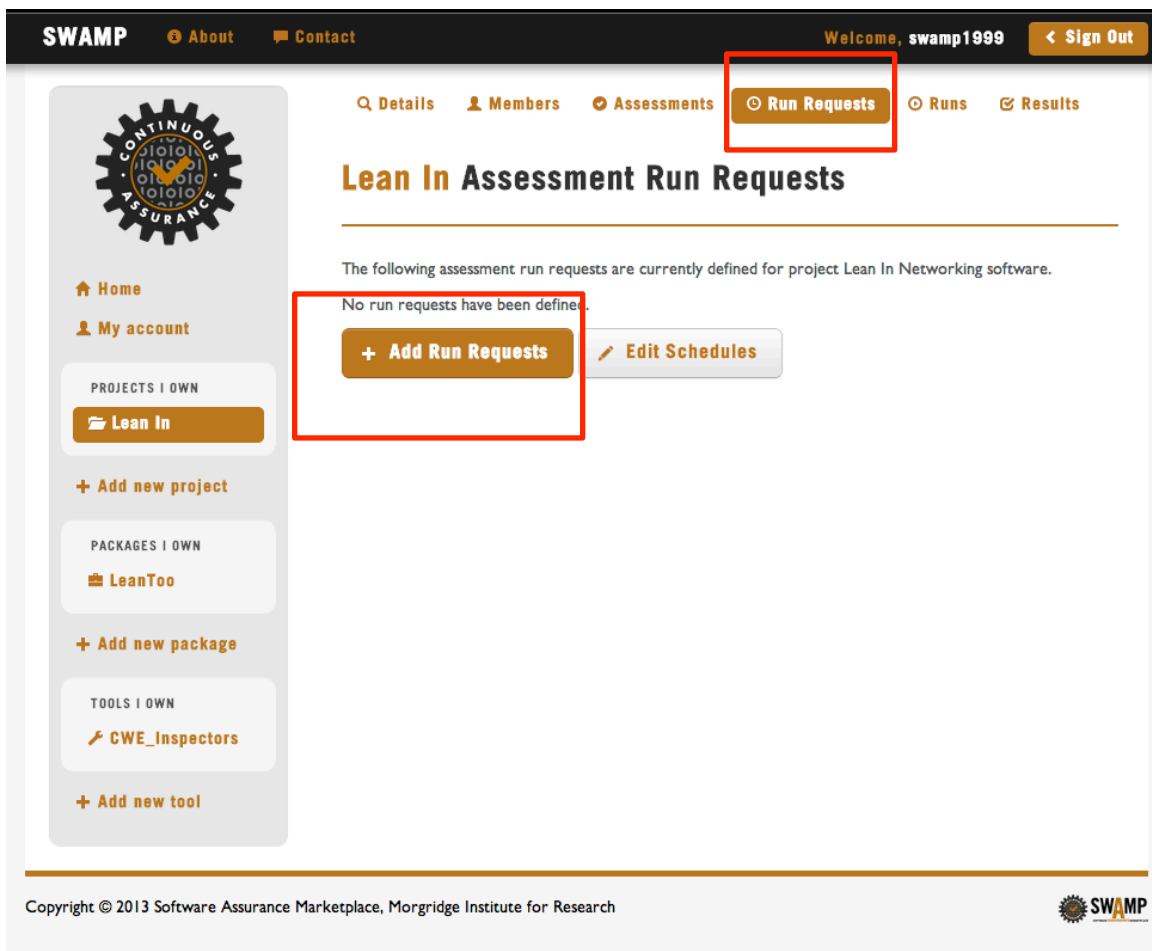
The screenshot shows a confirmation dialog box. The text inside reads: 'Are you sure that you want to delete this assessment of Test Package using Findbugs on Ubuntu Linux?'. At the bottom right, there are two buttons: '✓ Ok' and '✗ Cancel'.

3. You will receive a confirmation that the Assessment Run has been deleted. Select **OK**.



Schedule a Run Request

1. Select the **Run Request** tab and then select **Add Run Requests**.



2. On the **Add Run Requests** screen, select the **checkbox** in front of the Run Request you wish to schedule, and then select **Schedule Run Requests**.

The screenshot shows the SWAMP web application interface. The top navigation bar includes 'SWAMP', 'About', 'Contact', and a user greeting 'Welcome, swamp1999' with a 'Sign Out' button. The main navigation menu includes 'Details', 'Members', 'Assessments', 'Run Requests' (highlighted), 'Runs', and 'Results'. The left sidebar contains a 'CONTINUOUS ASSURANCE' logo and sections for 'PROJECTS I OWN' (Lean In), 'PACKAGES I OWN' (LeanToo), and 'TOOLS I OWN' (CWE_Inspectors). The main content area is titled 'Add Lean In Run Requests' and prompts the user to 'Please select one or more assessments from the list below to run:'. Below this is a table with columns 'Package', 'Tool', and 'Platform'. A table row shows 'latest' under Package, 'Findbugs latest' under Tool, and 'Ubuntu Linux 12.04 LTS Lucid Lynx 64-bit' under Platform. A checkbox is visible to the left of the 'latest' package. Below the table, a red box highlights the 'Schedule Run Requests' button, and another red box highlights the 'Cancel' button.

Package	Tool	Platform
latest	Findbugs latest	Ubuntu Linux 12.04 LTS Lucid Lynx 64-bit

☐ ☐ Schedule Run Requests

Run Request Scheduling Options

You can schedule Assessment Runs **One-time** or **On a repeated schedule**. Multiple runs can be scheduled simultaneously:

- **One-time:** A One-time Run Request assesses a selected Software Package only once.
- **On a repeated schedule:** With the repeated schedule option, the user could choose to schedule Assessment Runs on a regular basis like daily, weekly or monthly at a time selected. This feature is helpful when the user keeps editing the package regularly and wants to perform an Assessment Run with the same tool and on the same platform every time the package is modified or updated.

One-time Runs

1. The schedule defaults to one-time on the **Schedule Run Request** screen.
2. If you want to schedule a recurrent Run Request, select **Edit Schedules**.
3. If you want to execute your Assessment Run as soon as possible, select **Submit**.


SWAMP

About

Contact

Welcome, swamp1999

Sign Out



[Home](#)

[My account](#)

PROJECTS I OWN

[Lean In](#)

[+ Add new project](#)

PACKAGES I OWN

[LeanToo](#)

[+ Add new package](#)

TOOLS I OWN

[CWE_Inspectors](#)

[+ Add new tool](#)

[Details](#)

[Members](#)

[Assessments](#)

[Run Requests](#)

[Runs](#)

[Results](#)

Schedule Lean In Run Requests

Select a schedule for when to execute your run requests:

☒ **One-time**
Run once as soon as possible


☐ **Mondays at 8 a.m**
Run the assessment every Monday at 8 a.m.

Submit

Cancel

Edit Schedules

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Add a New Run Request

1. From the **Edit Run Request Schedules** screen, select **Add Schedule**.

The screenshot shows the SWAMP web application interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main navigation menu on the left lists 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), '+ Add new project', 'PACKAGES I OWN' (with a 'LeanToo' button), '+ Add new package', 'TOOLS I OWN' (with a 'CWE_Inspectors' button), and '+ Add new tool'. The top right navigation bar contains links for 'Details', 'Members', 'Assessments', 'Run Requests' (highlighted), 'Runs', and 'Results'. The main content area is titled 'Lean In Run Request Schedules'. Below the title, it states 'The following schedules are available to project Lean In Networking software:'. A table displays the following data:

Name	Description
One-time	Run once as soon as possible
Mondays at 8 a.m	Run the assessment every Monday at 8 a.m.

Below the table, there is a red rectangular box highlighting two buttons: '+ Add schedule' and 'Cancel'.

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2. On the **Define Run Request Schedule** screen, type a name for your schedule. For example, "Tuesdays at 8 a.m."
3. Type a description. For example, "Run the assessment every Tuesday at 8 a.m."
4. Select **Add Request**.

SWAMP

About

Contact

Welcome, swamp1999

Sign Out

CONTINUOUS
ASSURANCE

Home

My account

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

DetailsMembersAssessmentsRun RequestsRunsResults

Add Lean In Run Request Schedule

Name *Tuesdays at 8 a.m.

Description *Run the Assessment every Tuesday at 8 a.m.


Run Requests

No Run Requests have been defined.

+ Add requestSaveCancel

*Fields are required

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5. In the **Type** dropdown menu select **Daily**, **Weekly**, or **Monthly**.
 - For Daily runs select the time.
 - For Weekly runs select the day and time.
 - For Monthly runs select the date and time.
6. Additional run times can be added to your Run Request schedule.

SWAMP

AboutContact

Welcome, swamp1999

Sign Out

CONTINUOUS ASSURANCE

Home

My account

PROJECTS I OWN

Lean In

Add new project

PACKAGES I OWN

LeanToo

Add new package

TOOLS I OWN

CWE_Inspectors

Add new tool

DetailsMembersAssessmentsRun RequestsRunsResults

Add Lean In Run Request Schedule

Name *Tuesdays at 8 a.m.

Description *Run the Assessment every Tuesday at 8 a.m.

Run Requests

TypeDayTime

DailyWeeklyMonthly

Add requestSaveCancel

Fields are required

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SWAMP

7. Select **Save**.

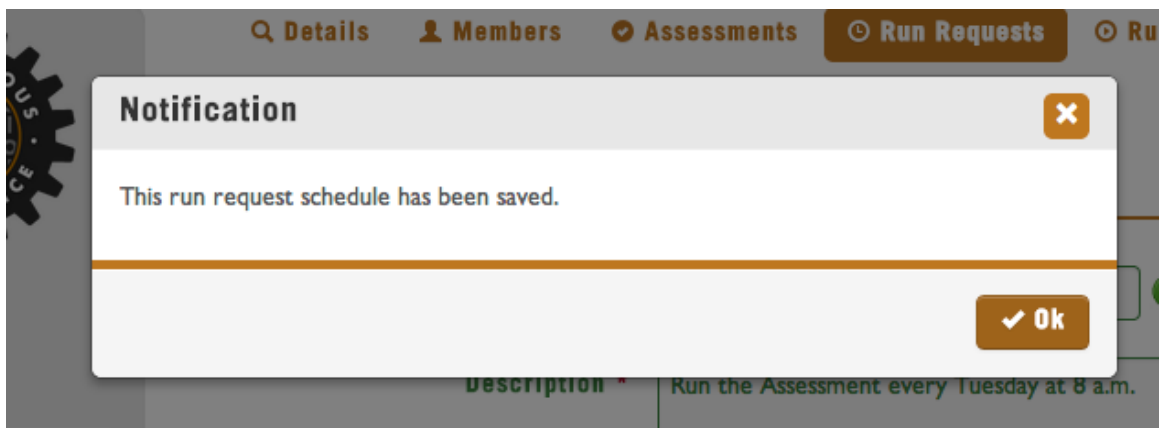
Run Requests

*Fields are required

Type	Day	Time
Weekly	Monday	08:00 AM

+ Add request ✓ Save ✕ Cancel

8. You will receive a confirmation message. Select **OK**.



Viewing Run Request Schedules and Results

1. View your scheduled runs on the **Run Request Schedules** screen.

The screenshot shows the SWAMP web application interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main navigation menu on the left lists 'Home', 'My account', 'PROJECTS I OWN' (with 'Lean In' selected), 'Add new project', 'PACKAGES I OWN' (with 'LeanToo' selected), 'Add new package', 'TOOLS I OWN' (with 'CWE_Inspectors' selected), and 'Add new tool'. The top right navigation bar contains links for 'Details', 'Members', 'Assessments', 'Run Requests' (highlighted), 'Runs', and 'Results'. The main content area is titled 'Lean In Run Request Schedules'. Below the title, it states: 'The following schedules are available to project Lean In Networking software:'. A table displays the schedules:

Name	Description	
One-time	Run once as soon as possible	
Mondays at 8 a.m	Run the assessment every Monday at 8 a.m.	✕
Tuesdays at 8 a.m.	Run the Assessment every Tuesday at 8 a.m.	✕

At the bottom of the table area are two buttons: '+ Add schedule' and '✕ Cancel'. The footer contains the copyright notice 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

2. Select the **Runs** tab to view the status of an Assessment Run.

SWAMP
About
Contact
Welcome, MJ
Sign Out

Details
Members
Assessments
Run Requests
Runs
Results

Zeus Assessment Runs

The following assessment runs are currently available for project ZeusyDoodie.

Date / Time	Package	Tool	Platform	Status
2013-09-29 17:29:04	Pegasus 4.2.2	PMD 5.0.4	Red Hat Enterprise Linux RHEL6.4 64-bit	Done

Home
My account
PROJECTS I OWN
Zeus
Add new project

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SWAMP

- When an Assessment Run is done, select the **Results** tab to view the Assessment Results. Under the Details column select **View** to see the results.

SWAMP
About
Contact
Welcome, MJ
Sign Out

Details
Members
Assessments
Run Requests
Runs
Results

Zeus Assessment Results

The following assessment results are currently available for project ZeusyDoodie.

Date / Time	Package	Tool	Platform	Details
2013-09-29 17:29:41	Pegasus 4.2.2	PMD 5.0.4	Red Hat Enterprise Linux RHEL6.4 64-bit	View

Home
My account
PROJECTS I OWN
Zeus
Add new project

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SWAMP

Summary

Files	Total	Priority 1	Priority 2	Priority 3	Priority 4	Priority 5
497	3398	45	139	2620	594	0

.home.vmrn.pegasus-source-4.2.2.src.edu.isi.pegasus.planner.parser.InvocationParser

Prio	Begin Line	Method	Description
3	15		Possible God class (WMC=283, ATFD=135, TCC=0.003952569169960474)
3	106		Private field 'm_forward' could be made final; it is only initialized in the declaration or constructor.
3	112		Private field 'm_reverse' could be made final; it is only initialized in the declaration or constructor.
3	117		Private field 'm_coarse' could be made final; it is only initialized in the declaration or constructor.
3	122		Private field 'm_fine' could be made final; it is only initialized in the declaration or constructor.
3	127		Private field 'm_log' could be made final; it is only initialized in the declaration or constructor.
3	172		When instantiating a SimpleDateFormat object, specify a Locale
3	173		When instantiating a SimpleDateFormat object, specify a Locale

Example of detailed results from a run

Delete a Scheduled Run Request

1. To delete a scheduled **Run Request** select the check box to the right of the run.

SWAMP About Contact Welcome, swamp1999 < Sign Out

Details Members Assessments **Run Requests** Runs Results

Lean In Run Request Schedules

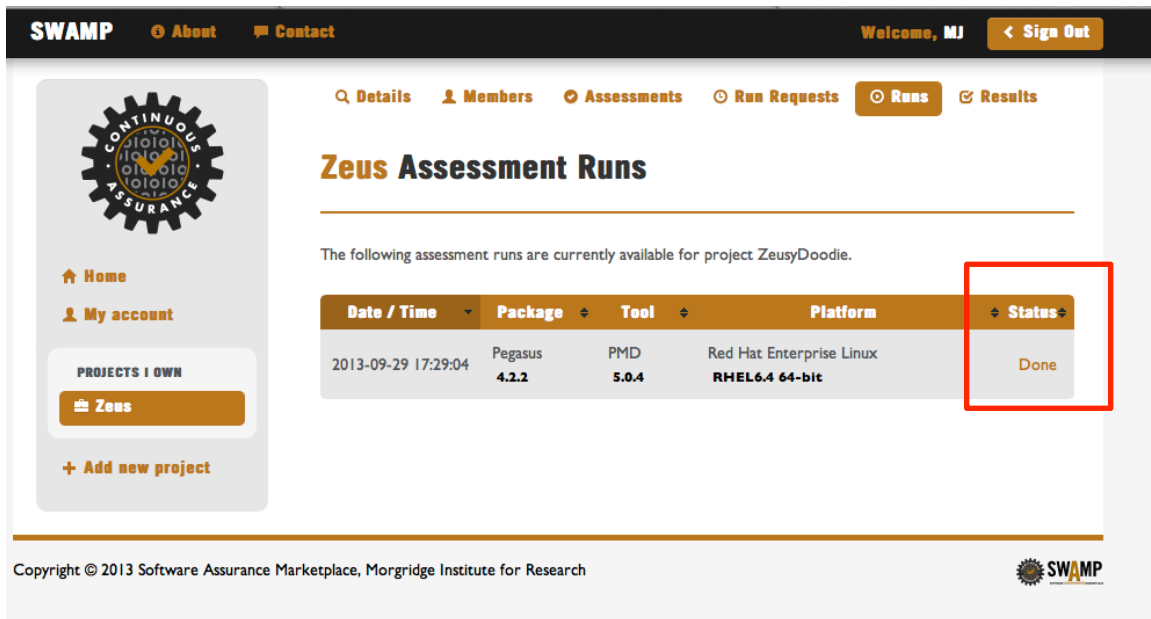
The following schedules are available to project Lean In Networking software:

Name	Description	
One-time	Run once as soon as possible	
Mondays at 8 a.m.	Run the assessment every Monday at 8 a.m.	<input type="checkbox"/>
Tuesdays at 8 a.m.	Run the Assessment every Tuesday at 8 a.m.	<input type="checkbox"/>

+ Add schedule **x Cancel**

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4. You will be asked to confirm the deletion. Select **OK** to delete the **Run Request** or **Cancel** to cancel your request.
5. To view the Execution Record of the Assessment Run, from the **Runs** tab under the Status field select **Done**.



The screenshot shows the SWAMP interface. The top navigation bar includes 'SWAMP', 'About', 'Contact', 'Welcome, MJ', and 'Sign Out'. The main navigation bar has 'Details', 'Members', 'Assessments', 'Run Requests', 'Runs', and 'Results'. The 'Runs' tab is selected. The page title is 'Zeus Assessment Runs'. Below the title, it says 'The following assessment runs are currently available for project ZeusyDoodle.' A table lists the runs:

Date / Time	Package	Tool	Platform	Status
2013-09-29 17:29:04	Pegasus 4.2.2	PMD 5.0.4	Red Hat Enterprise Linux RHEL6.4 64-bit	Done

The 'Status' column for the first run is highlighted with a red box and contains the text 'Done'.

Managing Assessment Tools

A SWAMP user may upload Assessment Tool(s) he/she has developed and then test the Assessment Tool against publically available Software Packages or personally uploaded Software Packages.

Adding Assessment Tools


1. From left pane on any screen, select **Add New Tool**.
2. Complete the fields on the form.

Name:	Name of the Assessment Tool.
File:	File to upload to SWAMP.
Version:	Revision of the uploaded Assessment Tool.
Tool path:	The path to the Assessment Tool executable.
Deployment command:	The command used to install the Assessment Tool.
Description (public):	Description of the Assessment Tool to those who have access to it.
Description (private):	Private description and comments for the Owner of the Assessment Tool.

3. Select **Submit** to upload your Assessment Tool. You will receive a notification once the upload is complete.

SWAMP [About](#) [Contact](#)

Welcome, swamp1999 [Sign Out](#)



[Home](#)
[My account](#)

PROJECTS I OWN
[Lean In](#)

[+ Add new project](#)
[+ Add new package](#)
[+ Add new tool](#)

Add New Tool

Name *

File * no file selected

Version *

Tool path *

PATHS

Deployment command *

COMMANDS

Invocation command *

Description (public) *

COMMENTS

Description (private)

*Fields are required

Editing an Assessment Tool

If you need to rename an Assessment Tool, you may do so here. If the name of an Assessment Tool is misspelled or to accommodate a new brand name you can change its spelling.

1. From the left pane of any screen select an Assessment Tool to edit.

The screenshot displays the SWAMP web application interface. The top navigation bar features the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The left sidebar contains a 'CONTINUOUS ASSURANCE' logo and a list of navigation options: 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), 'Add new project', 'PACKAGES I OWN' (with a 'LeanToo' button), 'Add new package', 'TOOLS I OWN' (highlighted with a red box and containing a 'CWE_Inspector' button), and 'Add new tool'. The main content area is titled 'CWE_Inspector Tool Profile' and includes tabs for 'Details', 'Versions', and 'Sharing'. Below the title, a table lists tool details: 'Tool name' (CWE_Inspector), 'Owner' (Sheryl Sandberg), and 'Creation date' (Friday, October 18, 2013). At the bottom of this section are 'Edit Tool' and 'Delete Tool' buttons. The footer contains copyright information: 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

2. On the **Tool Profile** screen select **Edit Tool**.
3. From this screen you can change the name of the Assessment Tool. Type the name of the Assessment Tool and select **Save**.

SWAMP About Contact Welcome, swamp1999 Sign Out

Details Versions Sharing

Edit **CWE_Inspector** Tool Profile

Name * CWE_Inspectors ✓

✓ Save ✕ Cancel

*Fields are required

Home
My account

PROJECTS I OWN
Lean In
+ Add new project

PACKAGES I OWN
LeanToo
+ Add new package

TOOLS I OWN
CWE_Inspector
+ Add new tool

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SWAMP

4. You will receive confirmation of the change. Select **OK**.

Details Versions Sharing

Tool Profile Updated

The tool profile of CWE_Inspectors has been successfully updated.

✕

✓ Ok

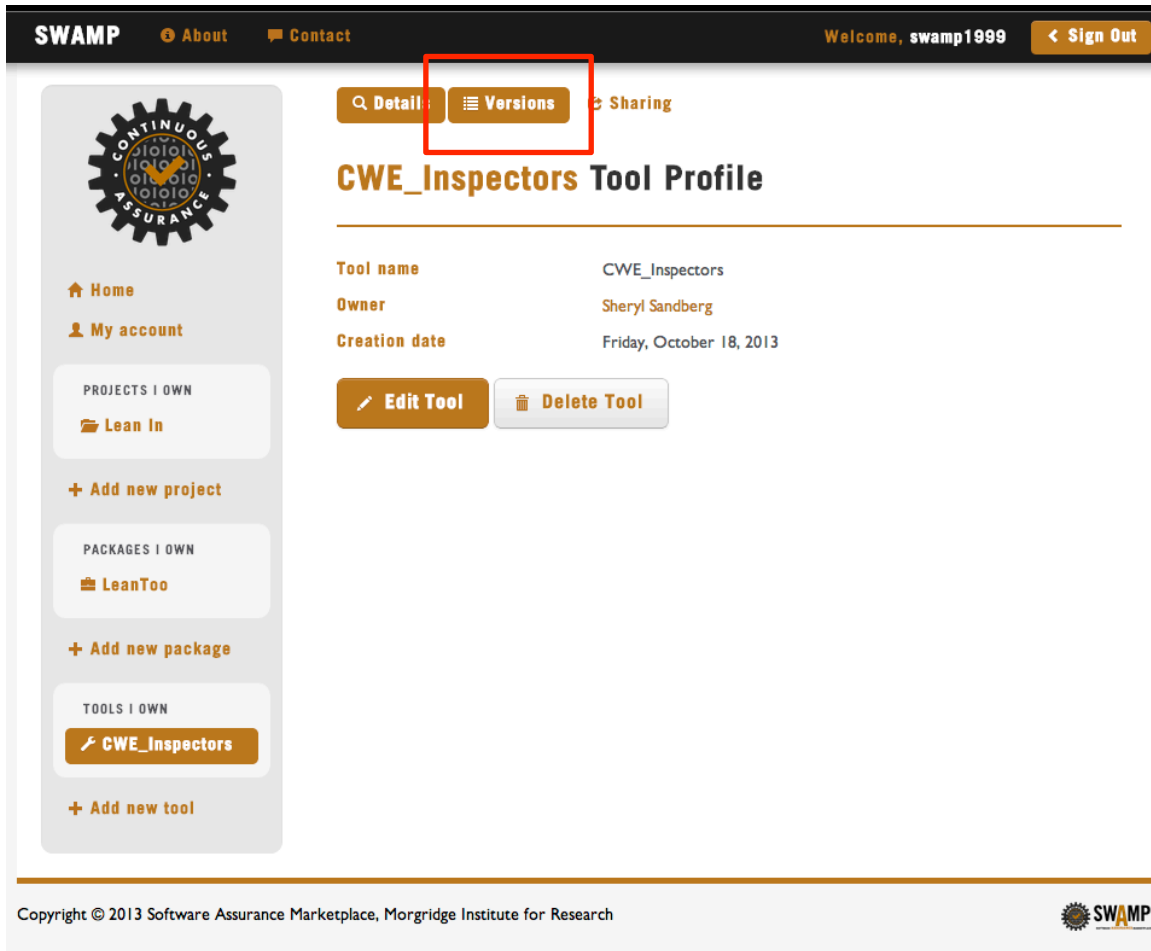
✓ Save ✕ Cancel

Adding, Updating, or Deleting an Assessment Tool Version

View or Add a Version of an Assessment Tool

From the **Tool Profile** screen you can view your Assessment Tool or add a new version of your Assessment Tool. Follow the steps below to add a new version of your Assessment Tool.

1. Select **Versions**.



The screenshot shows the SWAMP (Software Assurance Marketplace) interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'CWE_Inspectors Tool Profile'. A red rectangle highlights the 'Versions' button in the top navigation bar. Below the title, the tool's details are listed: 'Tool name' is CWE_Inspectors, 'Owner' is Sheryl Sandberg, and 'Creation date' is Friday, October 18, 2013. There are two buttons: 'Edit Tool' and 'Delete Tool'. On the left sidebar, there are sections for 'PROJECTS I OWN' (with a 'Lean In' button), 'PACKAGES I OWN' (with a 'LeanToo' button), and 'TOOLS I OWN' (with a 'CWE_Inspectors' button). The footer contains copyright information: 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

2. On the **Tool Versions** screen select **Add Version**.

SWAMP

About

Contact

Welcome, swamp1999

Sign Out



Home

My account

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

Details

Versions

Sharing

CWE_Inspectors Tool Versions

The following versions of this software tool are available:

Version	Description	Date
5.0.5	Finds common weaknesses in your Java code.	10/18/13

+ Add Version

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3. On the **Add New Tool** screen complete the fields on the form and select **Submit**.

Name: Name of the Assessment Tool.
File: File to upload to SWAMP.
Version: Revision of the uploaded Assessment Tool.
Tool path: The path to invoke the Assessment Tool.
Deployment command: The command to install the Assessment Tool.
Description (public): Description of the Assessment Tool to those who have access to it.
Description (private): Private description and comments for the Owner of the Assessment Tool.

The screenshot shows the 'Add New Tool' form in the SWAMP interface. The form is titled 'Add New Tool' and is located on the right side of the page. The left sidebar contains navigation links: Home, My account, PROJECTS I OWN (Lean In), Add new project, PACKAGES I OWN (LeanToo), Add new package, TOOLS I OWN (CWE_Inspectors), and Add new tool. The form fields are as follows:

- Name ***: CWE_Inspectors
- File ***: Choose File No file chosen
- Version ***: (empty)
- Tool path ***: (empty)
- Deployment command ***: (empty)
- Invocation command ***: (empty)
- Description (public) ***: (empty text area)
- Description (private)**: (empty text area)

At the bottom of the form, there are two buttons: 'Submit' (highlighted with a red box) and 'Cancel'. A note at the bottom right states '*Fields are required'. The footer of the page includes the copyright notice 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

Deleting a Tool

1. To delete an Assessment Tool, from the left pane on any screen under **TOOLS I OWN**, select an Assessment Tool to delete.

The screenshot displays the SWAMP web application interface. At the top, a dark navigation bar contains the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is divided into a left sidebar and a right pane. The sidebar features a 'CONTINUOUS ASSURANCE' gear icon, navigation links for 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), 'PACKAGES I OWN' (with a 'LeanToo' button), and 'TOOLS I OWN' (with a 'CWE_Inspectors' button). The 'TOOLS I OWN' section is highlighted with a red rectangular box. Below this, there is an 'Add new tool' link. The right pane is titled 'Recent Events' and is currently empty. The footer contains copyright information for 2013 Software Assurance Marketplace, Morgridge Institute for Research, and the SWAMP logo.

SWAMP About Contact Welcome, swamp1999 < Sign Out

CONTINUOUS ASSURANCE

Home

My account

PROJECTS I OWN

Lean In

+ Add new project

PACKAGES I OWN

LeanToo

+ Add new package

TOOLS I OWN

CWE_Inspectors

+ Add new tool

Recent Events

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SWAMP

4. On the **Tool Profile** screen select **Delete Tool**.

The screenshot shows the SWAMP (Software Assurance Marketplace) interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'CWE_Inspectors Tool Profile'. It features a sidebar on the left with navigation links: 'Home', 'My account', 'PROJECTS I OWN' (with a 'Lean In' button), '+ Add new project', 'PACKAGES I OWN' (with a 'LeanToo' button), '+ Add new package', 'TOOLS I OWN' (with a 'CWE_Inspectors' button), and '+ Add new tool'. The main profile section displays the tool's details: 'Tool name' (CWE_Inspectors), 'Owner' (Sheryl Sandberg), and 'Creation date' (Friday, October 18, 2013). Below this information are two buttons: 'Edit Tool' and 'Delete Tool'. The 'Delete Tool' button is highlighted with a red rectangular box. The footer contains the copyright notice 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

5. You will receive a prompt asking you to confirm the deletion. Select **OK** to delete the Assessment Tool or **Cancel**.

Assessment Tool Sharing: Private, Public or Protected

You can share your Software Packages in one of three modes:

- Private
- Public
- Protected

Private: Only the Project Owner can see Assessment Tools.

Public: Every SWAMP user can see Assessment Tools.

Protected: The Project Owner can choose to share Assessment Tools in a Project with selected Members of that Project team.

Navigate to the **Tool Profile** screen and select **Sharing**.

The screenshot shows the SWAMP (Software Assurance Marketplace) interface. The top navigation bar includes the SWAMP logo, links for 'About' and 'Contact', a user greeting 'Welcome, swamp1999', and a 'Sign Out' button. The main content area is titled 'CWE_Inspectors Tool Profile'. It features three tabs: 'Details', 'Versions', and 'Sharing'. Below the tabs, the tool's metadata is displayed: 'Tool name' is 'CWE_Inspectors', 'Owner' is 'Sheryl Sandberg', and 'Creation date' is 'Friday, October 18, 2013'. There are two buttons: 'Edit Tool' and 'Delete Tool'. On the left sidebar, there is a 'CONTINUOUS ASSURANCE' logo and a navigation menu with 'Home' and 'My account'. Below this, there are sections for 'PROJECTS I OWN' (with a 'Lean In' button), 'PACKAGES I OWN' (with a 'LeanToo' button), and 'TOOLS I OWN' (with a 'CWE_Inspectors' button). At the bottom of the page, there is a copyright notice: 'Copyright © 2013 Software Assurance Marketplace, Morgridge Institute for Research' and the SWAMP logo.

Protected Assessment Tools

1. Select the radio button to choose what level of access to the Assessment Tool you wish to give Project Members.
2. Select **Save**.

SWAMP [About](#) [Contact](#) Welcome, swamp1999 [Sign Out](#)

[Details](#) [Versions](#) [Sharing](#)

CWE_Inspectors Tool Sharing

☐ **Private**
This tool is private and can only be seen by the tool owner.

☐ **Public**
This tool is public and may be seen by any SWAMP user.

☒ **Protected**
This tool is shared with members of the following projects:

Name	Affiliation
<input type="checkbox"/> Lean In Networking software	Morgridge Institute of Research

☒ **Save**

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SWAMP

Glossary

Assessment Run: Specifies one Tool to assess one Software Package on one operating system Platform.

Assessment Tool: An Assessment Tool analyzes a Software Package to find weaknesses that could lead to security vulnerabilities. One person owns an Assessment Tool.

Continuous Software Assurance: A process that affirms software functions as intended, free from vulnerabilities intentionally or unintentionally inserted into the code. This is achieved through continuous assessments.

Execution Record: Displays statistics about the scheduled Assessment Run.

Owner: A User who owns a Project, Assessment Tool, and/or Software Package.

Platform: The operating system environment in which an Assessment Run occurs.

Project: A person or group of people working together for a common purpose, for example to create better assessment tools, and/or to mitigate weaknesses in Software Packages.

Project Member: A person who has accepted an invitation to join a SWAMP project. Project Members are able to create Assessment Runs, schedule Run Request, and view Assessment Results.

Run Request: A request to execute one or more Assessment Runs as soon as possible after the requested time. Project Members can schedule Run Requests to occur daily, weekly, or monthly. Members can schedule Run Requests that are a combination of daily, weekly, or monthly times.

Software Package: A software component or system used by others.

User: A person granted permission to belong to the Software Assurance Marketplace. A SWAMP user must be a member of a project to use Assessment Tools, Platforms, and view Assessment Results.

Table 1. Compatibility of Platforms and Tools

	Tools				
	PMD	FindBugs	Cppcheck	Gcc	Clang Static Analyzer
Platforms					
Red Hat Enterprise Linux 6.4 32-bit	Yes	Yes	Yes	Yes	Yes
Red Hat Enterprise Linux 6.4 64-bit	Yes	Yes	Yes	Yes	Yes
Fedora 18 64-bit	Yes	Yes	Yes	Yes	Yes
Fedora 19 64-bit	Yes	Yes	Yes	Yes	Yes
Ubuntu 12.04.2 64-bit	Yes	Yes	Yes	Yes	Yes
Debian 7.0 64-bit	Yes	Yes	Yes	Yes	Yes
Scientific Linux 5.9 64-bit	Yes	Yes	Yes	Yes	Yes
Scientific Linux 6.4 64-bit	Yes	Yes	Yes	Yes	Yes

****Note:** It is important to select the correct Platform when running an assessment. Selecting the incorrect Platform generate false results.