

EFT - Engineering Field Tools



EFT Quick Start

User Documentation

August, 2007

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Engineering Field Tools: Quick Start Guide

Welcome to EFT!

Congratulations you have the **Engineering Field Tools - Framework** installed on your computer. The EFT framework is a hosting "framework" which provides many of the basic services to support, organize, bind various discipline specific engineering features. A user is able to add engineering features through an embedded update service.

This tutorial provides a quick introduction to the EFT framework workflow by walking you through the procedure to add functionality through the built-in remote updating service. This updating service provides additional engineering functionality to the EFT framework to add or update existing features. Once you are done with this basic tutorial, you will have upgraded EFT to create, view, and print basic survey engineering services.

This tutorial takes less than 10 minutes to complete.

After you finish this tutorial, you can move on to learn more about the EFT framework and specifics about individual engineering tools you newly updated. Some of these additional tools will provide comprehensive tutorials that highlight a wider range of engineering features and tool utility techniques. Lets begin this "Basic Tutorial", and get your version of EFT framework up to date and add the basic survey engineering services.

Before You Begin

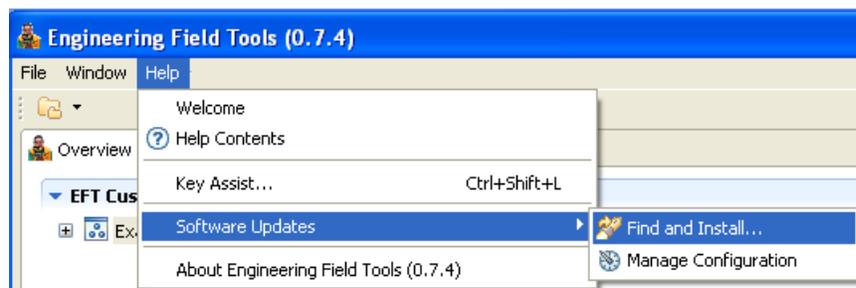
In order to complete this tutorial you will have to make sure your computer is connected to the internet, since you will be downloading additional features.

- If you need assistance with this, please see your local ITS support personnel.

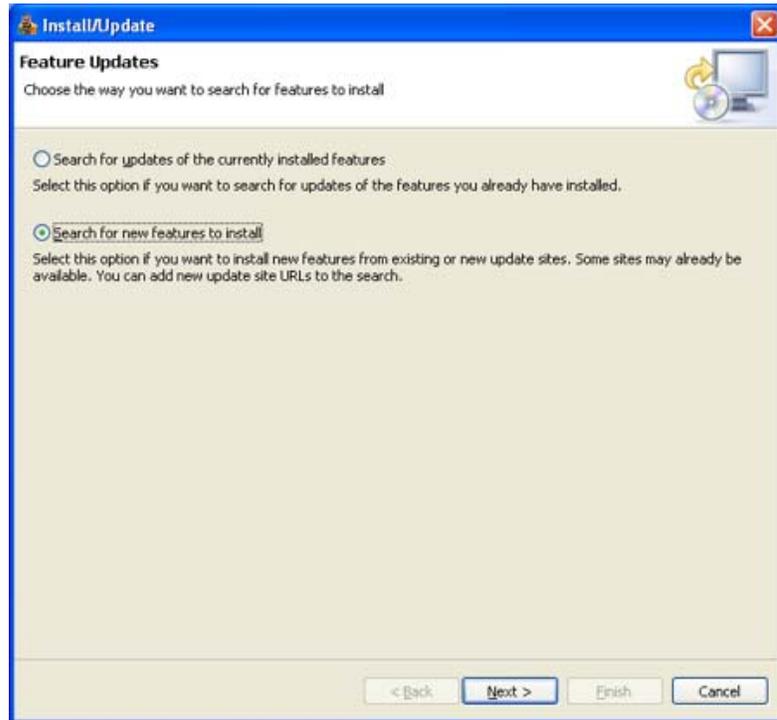
Checking for Available Updates

To access the update system:

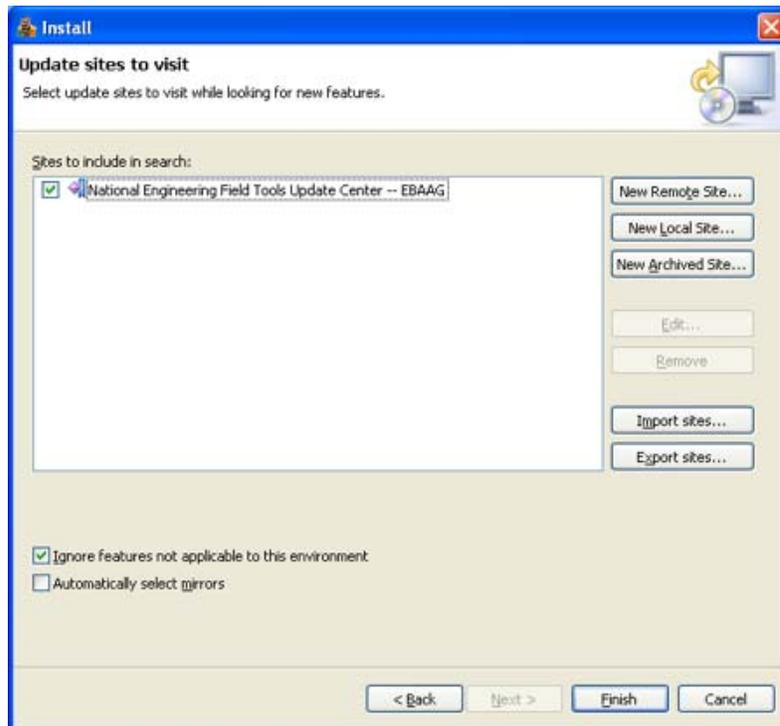
1. Start the EFT Framework.
2. In EFT, on the main menu at the top left side choose Help > Software Updates > Find and Install..., as shown in the figure below.



3. In the Install/Update wizard, select the "Search for new features to install" option as shown in the figure below. Then click Next.



4. In the Update site to visit page of the wizard, do the following (as shown in the figure below):
 - a. click the check box next to the National Engineering Field Tools Update Center -- EBAAG.
 - b. click the check box next to ignore features not applicable to this environment.



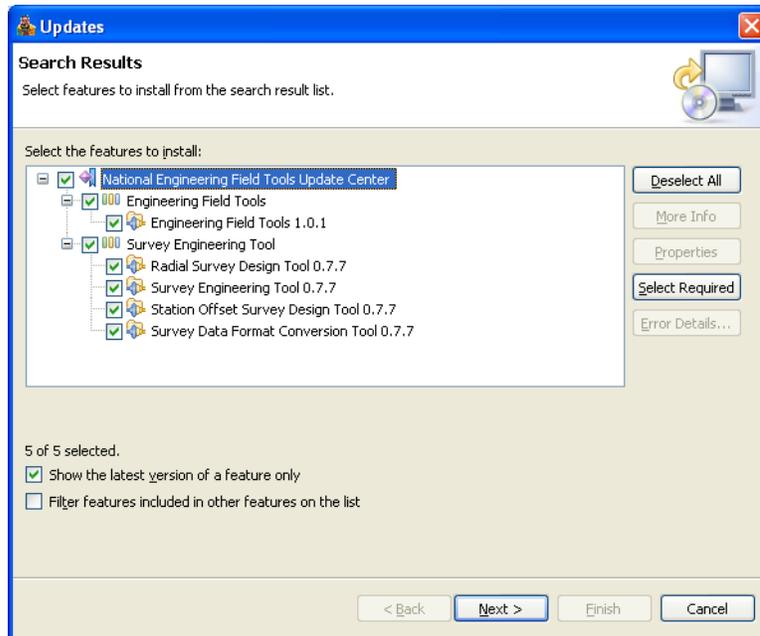
5. Click Finish

Installing SET

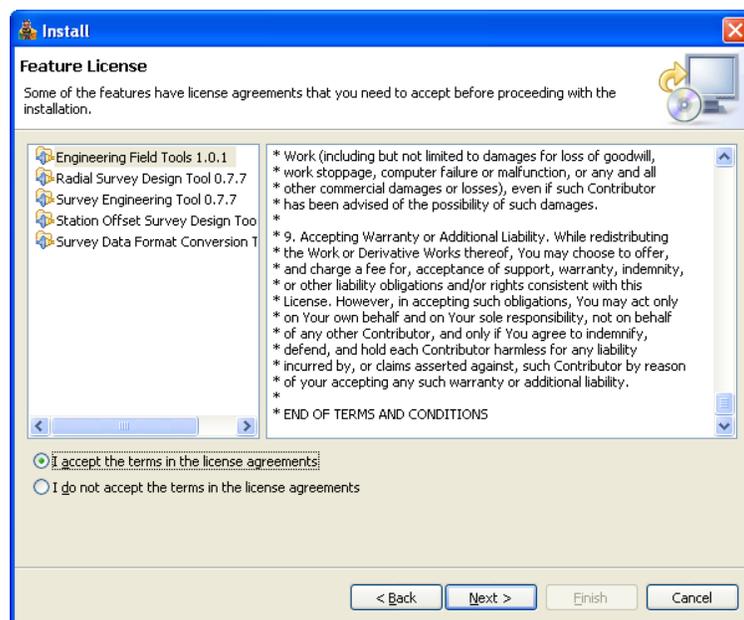
To introduce you further to the features of EFT you will need to add one of the primary tools to the framework, the Survey Engineering Tool (SET). The SET tool will provide the framework with basic surveying functionality. Additional information about SET can be found at the [Survey Engineering Tool|<http://www.itc.nrcs.usda.gov/EFT>] website.

EFT will look on the update site to see what features are available to install.

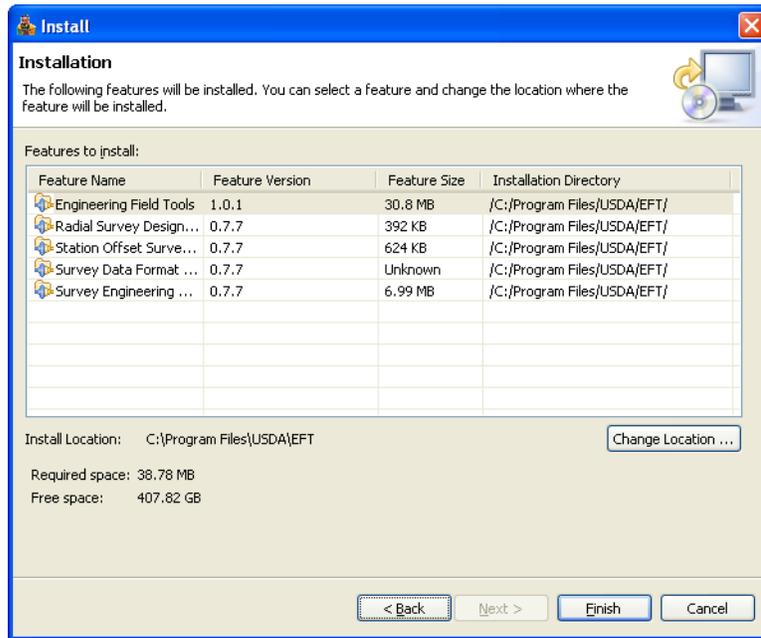
1. Shown in the figure below is a list of what is available. There is the update site name followed by feature categories followed by individual feature components (with the version numbers on the right). Select the topmost checkbox and all the lower checkboxes will be checked automatically.



2. In the feature license screen you should check the "I accept the terms in the license agreements" and then Next.



3. In the feature location screen shows file size installation and disk space availability - **please do not change the installation directory location.**

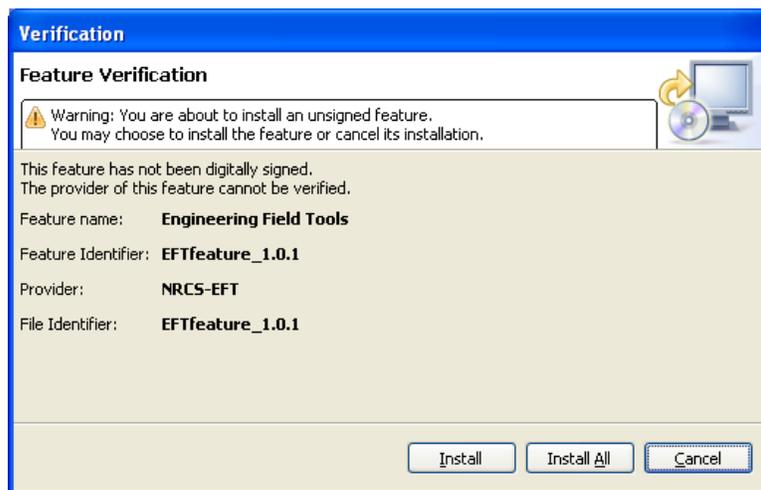


4. Click Finish

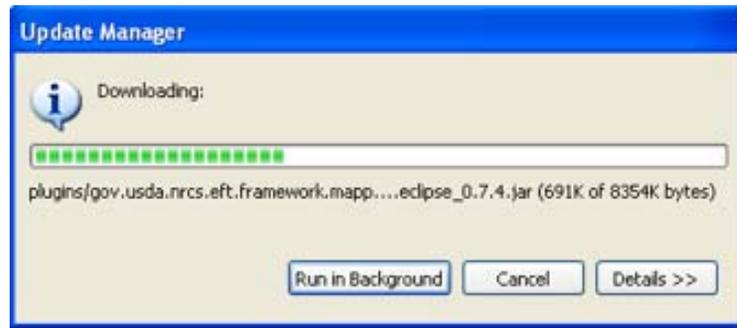
Downloading the Survey Engineering Tool - SET

The next series of screens will guide you through the downloading process to put the new feature files on your local workstation.

1. On the feature verification screen verify that the provider is NRCS-EFT and install that feature; you can use the Install_All button.



2. Now you will see a series of downloading screens as the individual feature components are downloaded onto your local workstation.



3. With the files downloaded they need to replace the existing versions so EFT needs to be restarted using the new features.



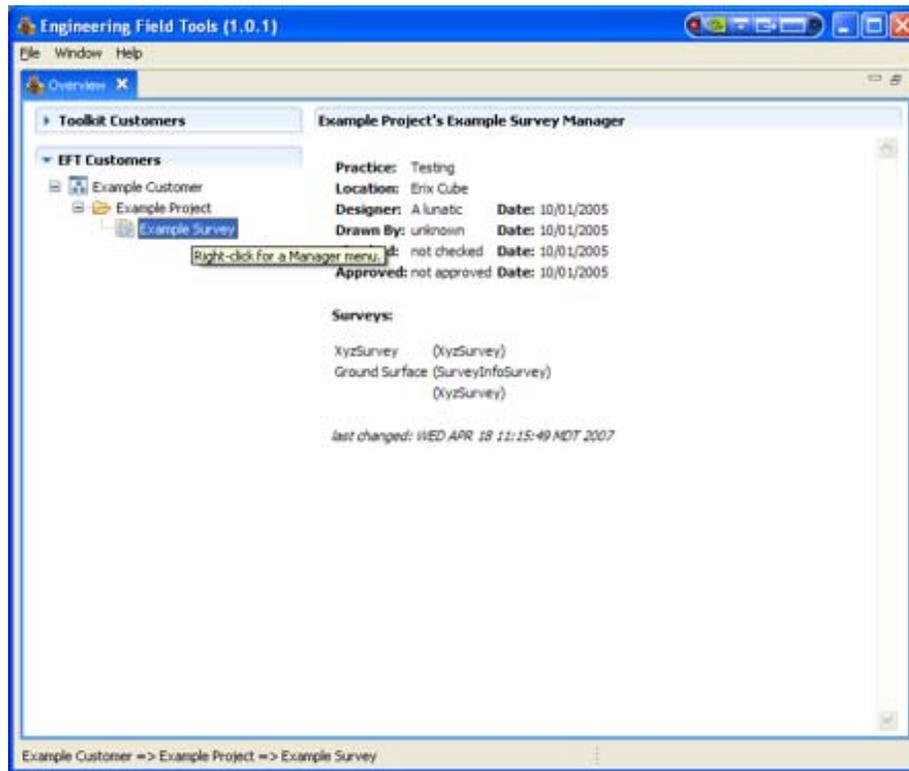
4. EFT will then restart with additional features added.

Open Example Survey

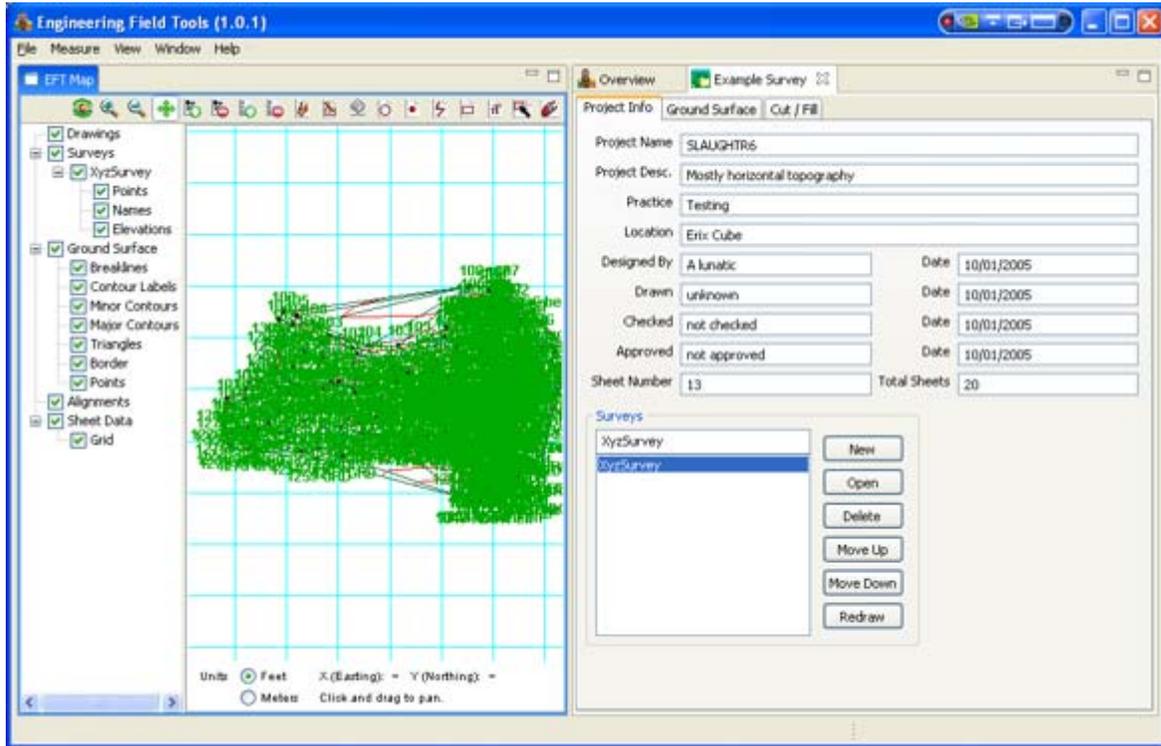
Now that EFT has restarted after the new features have been downloaded and installed, you will have a new engineering feature available - the Survey Engineering Tool (SET). SET is a simple tool to allow field personnel to enter survey field data and get a contour map generated. This map can then be shared with other advanced programs if needed. SET will also be the survey basis for additional tools to follow, like the Waterways Design Tool and Terrace Design Tool.

An example survey is included with EFT so you can exercise SET, follow these simple instruction to open this example file.

1. On the **Overview** tab in EFT you will see the EFT Customers heading, below which is the Example Customer, Project, and Survey. Either double-click or right-click on the **Example Survey** to activate SET.



- When SET reads the example survey data, the EFT mapping service will show the survey information and the survey project manager.



For additional information about how to use the EFT Overview manager look in the EFT help contents labeled: **Engineering Field Tools Framework**.

For additional information about how to use SET can be found in the EFT help contents labeled: **Survey Engineering Tool**.

This is the end of this tutorial

Next Steps

For a broader introduction to useful EFT features that are generally applicable to all kinds of engineering applications, see the following topic areas for the EFT - Framework.

- Customer Management
- Customer Service Toolkit Integration
- Exporting/Importing Customers
- Project Management

When new features are added to the EFT-Framework you will see additional menu items and features specific to that tool. Each newly updated tool contains a set and guides that range in scope from basic to advanced. Be sure to check for new updates when notified.