

# **ESRI Import for Rhino Help**

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# ESRI Import for Rhino Help

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Welcome to *ESRI Import for Rhino* Help!

This help file provides all the information you need to understand and use *ESRI Import for Rhino*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *ESRI Import for Rhino* help file is divided into the following sections:

- [Introduction](#) - Introduction to *ESRI Import for Rhino*.
- [Command Reference](#) - Quick reference of all the commands added by *ESRI Import for Rhino*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

**Note:**

- Please refer to the section "Loading Instructions" in the [ReadMe](#) file to load *ESRI Import for Rhino* plug-in file into the Rhino environment.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*ESRI Import for Rhino* is file import plug-in for Rhino. This plug-in gives Rhino the ability to import geometric data from ESRI shapefiles.

ESRI Import for Rhino reads points, polylines and polygons from ESRI shapefiles and creates corresponding points, polylines and polygons in the active Rhino model drawing.

*ESRI Import for Rhino* is designed to work with the following versions of Rhino:

- Rhino 5.0 (64 Bit)
- Rhino 4.0, 5.0 (32 Bit)
- Rhino 3.0

*ESRI Import for Rhino* is designed to be extremely user friendly and easy to understand. Once installed, it automatically loads itself into the Rhino environment. If automatic loading fails there are manual loading instructions in the [ReadMe](#) file. Once loaded it adds new commands to Rhino's existing commands and a new submenu called "ESRIImport" to the Rhino menu containing these newly added commands.

*ESRI Import for Rhino* comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

## **The ESRI File Format**

The ESRI Shapefile or simply a shapefile is a popular geospatial vector data format for geographic information systems software. It is developed and regulated by ESRI as a (mostly) open specification for data interoperability among ESRI and other software products. A "shapefile" commonly refers to a collection of files with ".shp", ".shx", ".dbf", and other extensions on a common prefix name (e.g., "lakes.\*"). The actual shapefile relates specifically to files with the ".shp" extension, however this file alone is incomplete for distribution, as the other supporting files are required. Shapefiles spatially describe geometries: points, polylines, and polygons. These, for example, could represent water wells, rivers, and lakes, respectively. Each item may also have attributes that describe the items, such as the name or temperature.

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## ReadMe

---

This is the *ESRI Import for Rhino* ReadMe file.

ESRI Import for Rhino is a plug-in for Rhinoceros. ESRI Import for Rhino adds several new commands to Rhino. It also adds a new menu to the Rhino menu called "ESRIImport" which contains these newly added commands.

### Automatic Loading:

=====

ESRI Import for Rhino has to be loaded into the Rhino before it can be used. The installer does this automatically. The next time you run Rhino you will see the "ESRIImport" menu added to the Rhino menu. Due to an installation problem, if the "ESRIImport" menu does not appear then you will have to manually load the plug-in into Rhino.

### Manual Loading:

=====

The ESRI Import for Rhino plug-in files are installed into the ESRI Import for Rhino installation folder (typically "C:\Program Files\SYCODE\ESRI Import for Rhino\"). The plug-in files have an extension of ".rhp". There is one plug-in file for each version of Rhino. The plug-in file name indicates the version of Rhino that it has been designed for.

The list of plug-in files along with the version of Rhino is shown below. Please be sure to use the plug-in file that corresponds to your version of Rhino.

```
ESRIImport_VC60.rhp    -> Rhino 3.0
ESRIImport_VC80.rhp    -> Rhino 4.0, 5.0 (32 Bit)
ESRIImport_VC80x64.rhp -> Rhino 5.0 (64 Bit)
```

To load ESRI Import for Rhino into Rhino please follow the steps listed below:

- (1) Start Rhino
- (2) Type "PlugInManager" at the command prompt and press "Enter"
- (3) Click the "Install" button.
- (4) Browse for the plug-in file for your version of Rhino in the ESRI Import for Rhino installation folder.
- (5) Click the "Open" button.
- (6) Click the "Close" button.

### Usage:

=====

ESRI Import for Rhino adds a new menu to Rhino called "ESRIImport". All the ESRI Import for Rhino commands can be invoked from this new menu.

### Support:

=====

For support, please E-Mail [support@sycode.com](mailto:support@sycode.com)

## Contact

---

Mailing address	S1/116, Nova Cidade Complex, NH 17, Alto Porvorim, Goa - 403521 India
Phone	+91 9822689298
Fax	+91 832 2416615
E-Mail	<a href="mailto:info@sycode.com">info@sycode.com</a>
Web Site	<a href="http://www.sycode.com">http://www.sycode.com</a>

# Command Reference

---

*ESRI Import for Rhino* adds new commands to Rhino and a submenu called "ESRIImport" which houses them. The new commands are:

<a href="#">ESRIImport</a>	Imports a ESRI shapefile
<a href="#">ESRIImportHelp</a>	Displays the <i>ESRI Import for Rhino</i> help file
<a href="#">ESRIImportRegister</a>	Register your copy of <i>ESRI Import for Rhino</i>
<a href="#">ESRIImportAbout</a>	Displays the <i>ESRI Import for Rhino</i> about box

## ESRIImport

---

<b>Menu Button</b>	ESRIImport > Import
<b>Command</b>	ESRIImport

---

This command imports an ESRI shapefile in Rhino

### To import a ESRI shapefile

1. Select *Import* from the "ESRIImport" menu or type *ESRIImport* at the Rhino command prompt and press *Enter*.
2. The Rhino "Open" dialog box is displayed. Browse for the ESRI shapefile you wish to import and click *Open*.



## ESRIImportHelp

---

<b>Menu Button</b>	ESRIImport > Help
<b>Command</b>	ESRIImportHelp

---

This command displays the help file. The [Welcome](#) page is a good place to start.

## ESRIImportRegister

---

<b>Menu Button</b>	ESRIImport > Register
<b>Command</b>	ESRIImportRegister

---

This command is used to register your copy of *ESRI Import for Rhino*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.

**SYCODE License Server**

Product Name: ESRI Import for Rhino 5.0 version 1.0

Host ID: 00-1E-8C-9C-71-44

License Key: vDAa4C107201uDc0F04moB90AAu33u406QDRA0I9217D5b047C50r17E2FX94C8D0A14c54uQ8nZB65Cjr46089360HEAAJmH2E

[How do I get a license key?](#)

=== LICENSE KEY PARAMETERS ===  
 Key type: Trial  
 Expires: 05-Apr-2010  
 Runs remaining: 10

### How do I get a Trial Key?

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## ESRI Import for Rhino Help

### **IMPORTANT:**

- (1) Please ensure that your computer is connected to the internet before you request for a key.
- (2) Please be sure to enter a valid email address as the key will be sent to you by email.
- (3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to [register@sycode.com](mailto:register@sycode.com)

## ESRIImportAbout

---

<b>Menu Button</b>	ESRIImport > About
<b>Command</b>	ESRIImportAbout

---

This command is used to display the *ESRI Import for Rhino* About box. The About box lists the software and its version



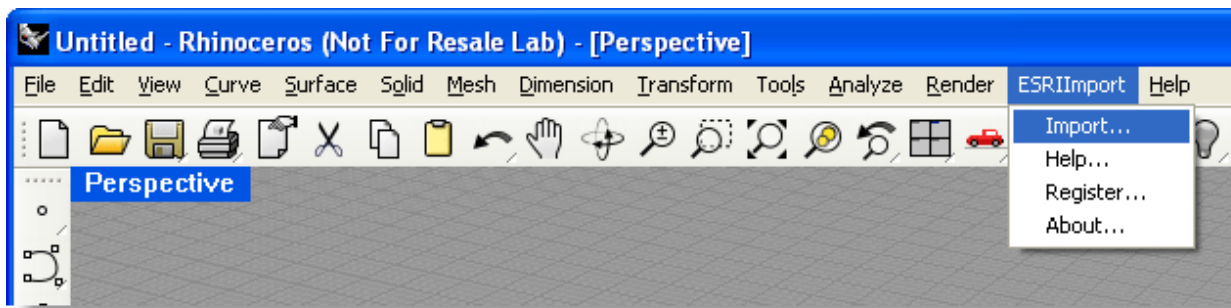
# Tutorial

---

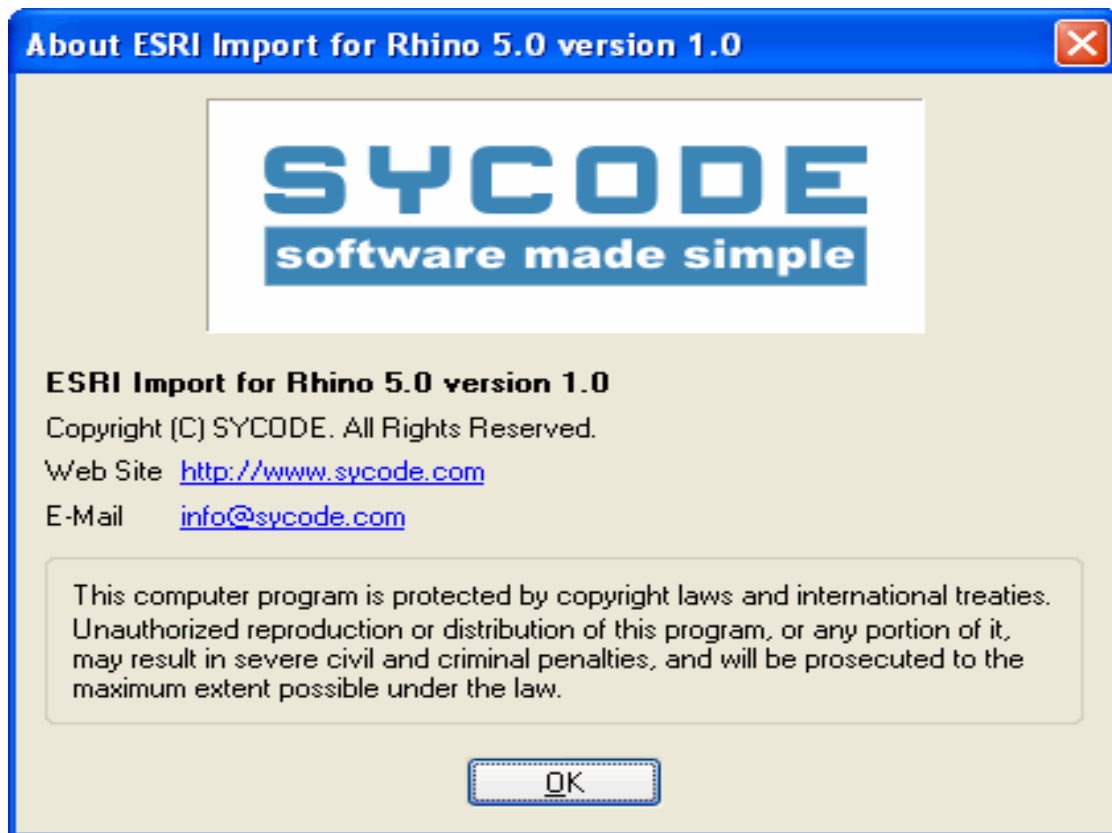
This tutorial provides the necessary information and hands-on experience to help you get started with *ESRI Import for Rhino*.

**Step 1:** Start Rhino.

**Step 2:** Select *Import* from the "ESRIImport" menu or type *ESRIImport* at the Rhino command prompt and press *Enter*.



**Step 3:** The Rhino "Open" dialog box is displayed. Browse for the ESRI shapefile C:\Program Files\SYCODE\ESRI Import for Rhino\Samples\roads.shp and click *Open*.



The figure below shows the final result.

