# NativeSPWindowsIIS5Installer

## Installing the Shibboleth SP for IIS 5

⚠ V2.4+ are **NOT** compatible with Windows 2000 or Windows XP RTM/SP1.

### Installation

1. Download the `.msi` Shibboleth SP installer from the Shibboleth download site.
2. Run the installer. The installer will prompt for an install path, change default configuration files as appropriate for Windows, and set various environment variables for you. The shibd service will also be installed for you.

After rebooting, IIS should be configured for basic support (if you asked it to do so). If you have problems, need to manually configure it, or want to verify what happened, the IIS steps are as follows:

1. Add the filter using the Internet Services Manager MMC console. Right click on the machine icon on the left, and edit the WWW Service master properties. On the "ISAPI Filters" tab, add a new filter called Shibboleth and specify the `lib\shibboleth\isapi_shib.dll` library (or `lib64\shibboleth\isapi_shib.dll` for a 64-bit IIS). The priority should be `High`, and once the filter is loaded, make sure it appears in the list below the `sspifilt` entry. Restart IIS and make sure the filter shows up with a green arrow. Check the Windows event log and/or the Shibboleth logs if it fails to load.
2. Map the `.sso` file extension to the ISAPI library so that virtual URLs can be specified to invoke the extension handler for each web site. Right click on the machine icon on the left, and edit the WWW Service master properties. On the `Home Directory` tab, add a script mapping using the `Configuration` button. The `Executable` box should point to `isapi_shib.dll`, and the "Extension" can be set to anything unlikely to conflict, but `.sso` is assumed (and the dot must be included). You should NOT select the option to limit verbs, and you **MUST** uncheck the `Check that file exists` box.
3. Restart IIS.

### Basic Configuration

- The primary configuration file for the filter and the Shibboleth daemon, `shibd`, will be located at `\etc\shibboleth\shibboleth2.xml` (within the directory used to install the SP software).
- shibd creates its own log at `\var\log\shibboleth\shibd.log` and must have appropriate read and write permissions itself for the entire installation directory.
- You may need to add permissions to your installation directory for IIS to operate. There are a variety of possible accounts IIS may run with at different times, and failure to set permissions may result in crashes, the filter failing to load, or other odd behavior. The IIS server processes need read access to most of the installation, with the exception of your Shibboleth private key file(s). It also needs write access to `\var\log\shibboleth` to create the `native.log` file.
- In order to configure Shibboleth you'll need the site identifier that IIS has assigned to your website. If you're simply using the default website this identifier is 1 (one). If you're not you can find the identifier through the IIS Manager tool by selecting the "Web Sites" folder and looking in the identifier column, on the right, that corresponds to your website.