

POW-PAK Installation and Configuration

Windows 2000 Server

(updated 3/11/07)

This guide will walk you through installing POW-PAK on a Windows 2000 server. NOTE: Users can be authenticated by either POW-PAK's built-in username/password system or by tapping into Active Directory or local accounts. It is recommended that you use POW-PAK's built-in authentication system for several reasons:

- It is easier to configure.
- It gives the administrator web-based management of users.
- It gives users the ability to change their passwords.
- It allows the administrator to add new users to POW-PAK without having to add them to Active Directory or the local machine.

This guide is designed to configure the program to use POW-PAK's built-in authentication. If you need to use Active Directory or local accounts instead, please contact CurtsWorks for those instructions.

Installation Steps

The installation and configuration of POW-PAK will be accomplished through several steps:

- 1) Install "Active Perl"
- 2) IIS Settings
- 3) Install "POW-PAK"
- 4) Set permissions
- 5) Move an important folder and file
- 6) Edit "district.data" file
- 7) Log in as admin
- 8) Contact CurtsWorks

Step 1: Install Active Perl

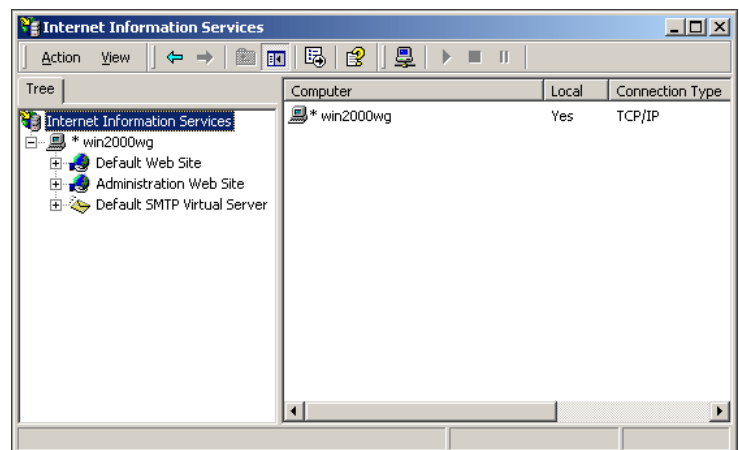
POW-PAK is a program that is written in Perl, which is a free programming language. If Perl is not installed on your server you will need to download and install it

- 1) Go to: <http://www.activestate.com/Products/Download/Download.plex?id=ActivePerl>
- 2) Download the Windows MSI package.
- 3) When done, locate the file and double-click on it to install.
- 4) Choose the default options when installing.

Step 2: IIS Settings

In this section you will identify some needed system settings and make a few changes in "IIS" (the "Internet Services Manager"). First, you need to open IIS and locate the "Default Web Site":

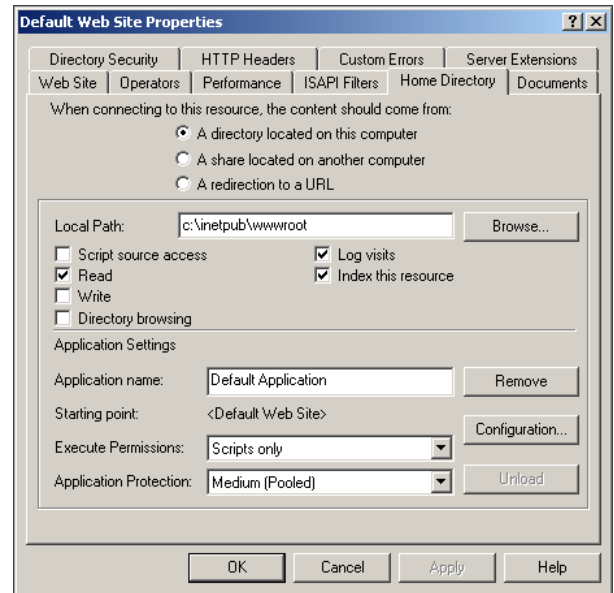
- 1) Click "Start", then click "Programs"
- 2) Then click "Administrative Tools"
- 3) Then click "Internet Services Manager".
- 5) With IIS open, click the plus sign to expand your **Web Server**.
- 6) Inside there you will find your default web site (possibly named "Default Web Site").



- 7) Right-click on the default web site and choose **“Properties”**.

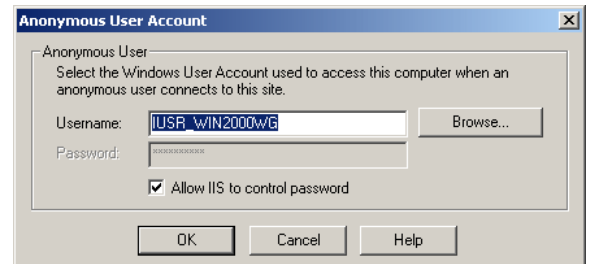
Now identify the **“Home Directory”**:

- 1) With the **“Properties”** window open, click on the **“Home Directory”** tab.
- 2) You will find your home directory in the **“Local Path:”** box.
- 3) In this example the **“Home Directory”** is **“c:\inetpub\wwwroot”**.
- 4) Take note of your **“Home Directory”**:



Now continue by identifying the **“Internet Guest Account”** name:

- 1) Still on the **“Properties”** window, click on the **“Directory Security”** tab
- 2) Once there, click **“Edit...”** in the **“Anonymous access and authentication control”** section.
- 3) On the new window click **“Edit...”** in the **“Anonymous access”** section
- 4) A new window will open. In the **“Username”** box will be the name of the **“Internet Guest Account”**.
- 5) Typically this account should just be **“IUSR_”** followed by the name of your web server.
- 6) In this example the **“Internet Guest Account”** is **“IUSR_WIN2000WG”**.
- 7) Take note of your **“Internet Guest Account”** name:

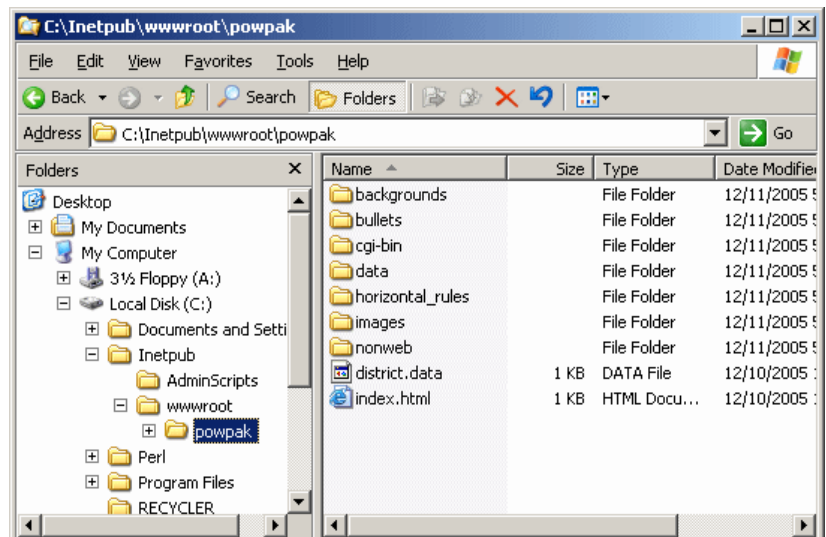


- 8) Click **“OK”** to exit from the **“Properties”** window.
- 9) Click **“OK”** again to exit the **“Authentication Methods”** window.
- 10) Click **“OK”** again to exit the **“Properties”** window.
- 11) Exit IIS.

Step 3: Install POW-PAK

The next step is to unzip the POW-PAK program and place it on your web server:

- 1) Unzip **“powpakwin.zip”** to a desktop folder or some other convenient location.
- 2) Start **Windows Explorer**.
- 3) Go to the **Home Directory** for your web pages (as determined earlier).
- 4) In the **Home Directory** create a web-accessible folder for POW-PAK, named something like **“powpak”** or **“homepages”** or such. For example you may end up with something like: **C:\inetpub\wwwroot\powpak**
- 5) Copy the unzipped contents from

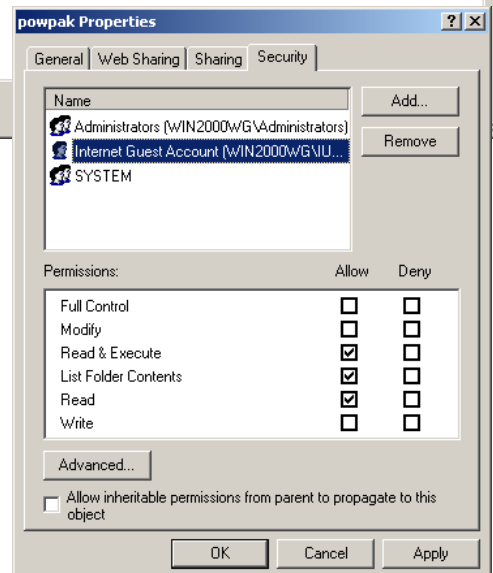
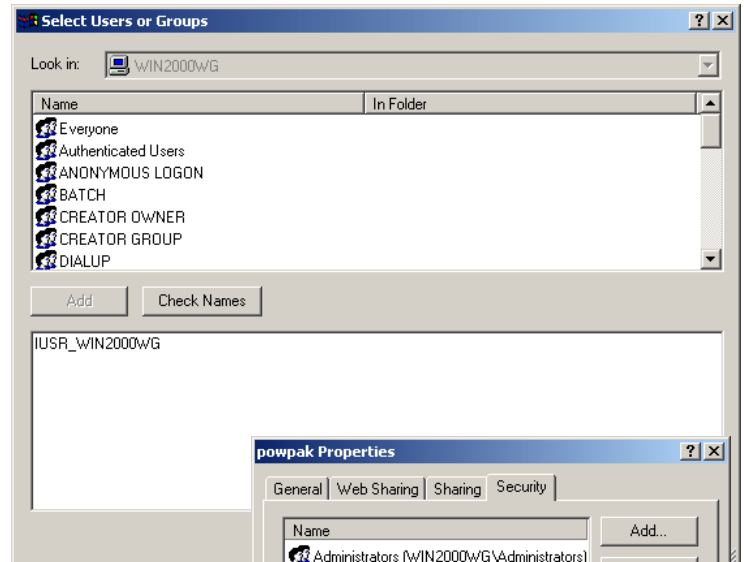
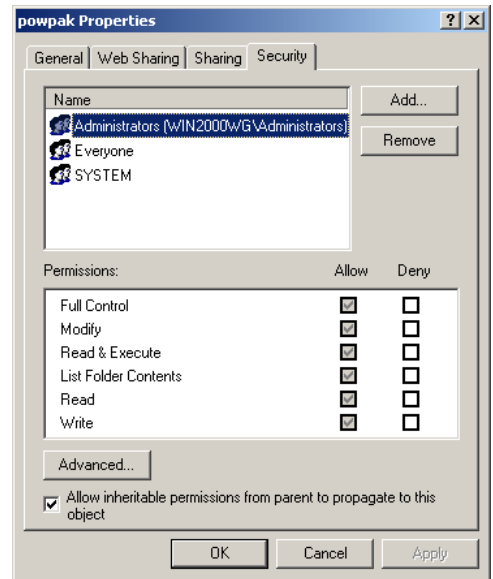


“powpakwin.zip” into the web folder you created.

Step 4: Set Windows Permissions for POW-PAK folders and files

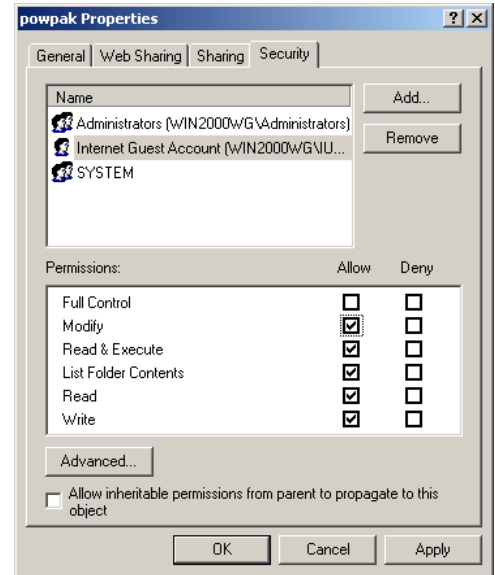
Next you need to make sure that all the files and folders for POW-PAK are accessible to the “**Internet Guest Account**”, and make sure that they are protected from other users who should not access the folder.

- 1) Start up **Windows Explorer** and locate the folder you created for POW-PAK.
- 2) Right-click on the POW-PAK folder and choose “**Properties**”
- 3) Click the “**Security**” tab. You may see something like the image to the right.
- 4) Now you want to stop the folder from inheriting permissions from parent folders, so these settings will not get changed in the future:
 - a) Below the “**Advanced**” button, uncheck the box labeled “**Allow inheritable permissions from parent to propagate to this object**”.
 - b) Choose “**Copy**” when asked prompted with the “**Security**” box.
- 5) Next you need to remove users who should not have access to the POWPAK folder. This would include accounts such as “**Users**” or “**Everyone**”. If those accounts show up on the “**Security**” tab, do the following to remove them:
 - a) In the “**Name**” section, click on “**User**” or “**Everyone**” to select the account.
 - b) Then click “**Remove**”.
 - c) Repeat for any other accounts you are sure should not access the program.
- 6) Now you need to add the “**Internet Guest Account**” to the list in case it is not there already. It may already be listed, but if not, do the following:
 - a) Click the “**Add...**” button.
 - b) Type in the name of the **Internet Guest Account**, such as “**IUSR_WIN2003WG**” in the example here.
 - c) Click “**OK**”.
 - d) Now you will be back to the “**Properties**” window with the **Internet Guest Account** added to the name list.
- 7) Now make sure that the “**Internet Guest Account**” has the correct permissions listed:
 - a) Click on the “**Internet Guest Account**” to make sure it is selected.
 - b) In the “**Allow**” column, make sure the only check marks are for:
 - c) **Read & Execute**
 - d) **List Folder Contents**
 - e) **Read**
- 8) Click “**OK**” to exit the “**Properties**” window.



Next you need to change the permissions for two special folders (“**data**” and “**nonweb**”) so that changes can be made to them by your users. You will still be using Windows Explorer for this.

- 1) Inside the folder you created for POW-PAK, locate the “**data**” folder.
- 2) Right-click on the “**data**” folder and choose “**Properties**”.
- 3) Click the “**Security**” tab.
- 4) Just like before, stop the folder from inheriting permissions from parent folders:
 - a) Under the “**Advanced**” button, uncheck the box labeled “**Allow inheritable permissions from parent to propagate to this object...**”.
 - b) Choose “**Copy**” when prompted with the “**Security**” box.
- 5) Now click on “**Internet Guest Account**” in the “**Name**” box to select that account.
- 6) Check the box for “**Modify**” in the “**Allow**” column. This will automatically cause the “**Write**” option to be checked as well.
- 7) Click “**OK**” when done.



Repeat this exact same process for the “**nonweb**” folder, such as:

- 1) Inside the folder you created for POW-PAK, locate the “**nonweb**” folder.
- 2) Right-click on the “**nonweb**” folder and choose “**Properties**”.
- 3) Click the “**Security**” tab.
- 4) Just like before, stop the folder from inheriting permissions from parent folders:
 - a) Under the “**Advanced**” button, uncheck the box labeled “**Allow inheritable permissions from parent to propagate to this object...**”.
 - b) Choose “**Copy**” when prompted with the “**Security**” box.
- 5) Now click on “**Internet Guest Account**” in the “**Group or user names**” box to select that account.
- 6) Check the box for “**Modify**” in the “**Allow**” column. This will automatically cause the “**Write**” option to be checked as well.
- 7) Click “**OK**”.

Step 5: Move a folder and a file

Now that the permissions are set correctly, an important folder and an important file need to be moved as follows.

- 1) The “**nonweb**” folder will hold information that needs to be kept out of view. Locate and move the “**nonweb**” folder and all its contents to a location that is not web-accessible, such as the root of your hard drive. For example you may end up with something like:
C:\nonweb
- 2) Next, there is the “**district.data**” file, which will hold information specific to your school.
 - a) Locate the “**district.data**” file (in the POW-PAK folder you initially created).
 - b) Move the “**district.data**” file to the home directory of you default web site (which you identified back in Step 2). For example you may end up with something like:
C:\inetpub\wwwroot\district.data
- 3) Now you need to protect the permissions on the “**district.data**” file so they do not get accidentally changed:
 - a) Right-click on the “**district.data**” file and choose “**Properties**”

- b) Click the “**Security**” tab.
 - c) Under the “**Advanced**” button, uncheck the box labeled “**Allow inheritable permissions from parent to propagate to this object...**”.
 - d) Choose “**Copy**” when prompted with the “**Security**” box.
 - e) Click “**OK**”.
- 4) Click “**OK**” to exit.

Step 6: Edit the “**district.data**” file

At this point you need to edit the “**district.data**” file that you just moved, so that it will contain information specific to your school district and server:

- 1) Use a text editor, such as **Notepad**, to open the “**district.data**” file.
- 2) Each line in the file has two parts separated by a vertical line (a pipe). The first part of each line is the “**key**”. The second part is the “**value**” for that key. You will need to change several of the values.
- 3) For the “**path**” enter the full path to the directory you set up for POW-PAK. If the directory you created is not on the C:Drive, then you need to include the drive letter as well.
ex) path\Inetpub\wwwroot\powpak
- 4) For “**nonweb**” enter the full path to the location of the “nonweb” folder. If the location is not on the C:Drive, then you need to include the drive letter as well.
ex) nonweb\nonweb
- 5) For “**authtype**” enter “**program**” so you will use POW-PAK’s built-in authentication system.
ex) authtype\program
- 6) For “**district_name**” enter the name of your school district as you wish it to appear.
ex) district_name\Example City Schools
- 7) For “**district_url**” enter the web address of your district’s web site (without the http:// part)
ex) district_url\www.examplecityschools.org
- 8) For “**district_logo**” enter the name of graphics file for your district logo. Save the graphics file in the “**images**” directory of your POW-PAK folder.
ex) district_logolexample_logo.gif
- 9) For “**hck_url**” enter the web address for the POW-PAK folder you created (without the http:// part)
ex) hck_url\www.examplecityschools.org/powpak
- 10) For “**ev_username**” you should be able to leave that as “**REMOTE_USER**”.
ex) ev_username\REMOTE_USER
- 11) For “**support**” you should just leave this as “no”.
ex) support\no
- 12) Finally, save the file.

Step 7: Log in as admin

Now that POW-PAK is installed and configured, you may begin using it. First, here are the addresses for important files:

- **POW-PAK Administration** – This is where you will add, modify, and delete users. You access this feature through your web browser by going to:

[web address of POW-PAK]/cgi-bin/admin/admin_login.pl

For example: *http://www.example.org/powpak/cgi-bin/admin/admin_login.pl*

- **POW-PAK User Login** – This is where your staff would go to log into POW-PAK to create and edit their web pages:

[web address of POW-PAK]/cgi-bin/secure/login.pl

For example: *http://www.example.org/powpak/cgi-bin/secure/login.pl*

- **Viewing POW-PAK web pages** – Once your staff has made web pages with POW-PAK, you need to provide links to their creations. Here is the syntax for such links:

[web address of POW-PAK]/cgi-bin/homepage.pl?id=[username]

For example: *http://www.example.org/powpak/cgi-bin/homepage.pl?id=smithj*

At this point, begin using POW-PAK as follows:

- 1) Use your web browser to go to the **admin login** page, as indicated above.
- 2) **Log in** with this information:
 - a) Username = admin
 - b) Password = admin
- 3) Now from the main admin screen, do the following:
 - a) **Change the admin password** (for security reasons)
 - b) **Add any other admins** you wish
 - c) **Add any users** you wish
- 4) Finally, provide your users with the **user login** address, as indicated above, so they may begin creating their web sites.

Step 8: Contact CurtsWorks

Finally, when you have successfully installed the program, **please contact me** with the following information:

- **Your contact info** (school district name, your name, your email address)
- The **web address** for your install of POW-PAK

There are several reasons for doing this:

- 1) This will allow me to contact you about **any bug fixes, updates, or important news**. (*Your email will never be given to anyone else or used for any other purposes.*)
- 2) Also, I will be able to add your district's POW-PAK link to **the Ohio Treasure Chest**, so your teachers will be able to send links from the Treasure Chest straight to their Links Pages in POW-PAK. The Treasure Chest has thousands of valuable educational links for them to access.
- 3) Finally, it serves as an **encouragement** to me, to know who is using the program. As more schools use POW-PAK, I am motivated more to further develop this program.

You can contact me in any of the following ways:

Business email: info@curtsworks.com
Personal email: ecurts@neo.rr.com
Mailing address: P.O. Box 19, Greentown, Ohio 44630
Phone number: 330-685-0470
Skype account: ericcurts

Extra Info: Optional tech support service plan

Although POW-PAK is free, **I am not able to provide free tech support**. POW-PAK is used by a large number of districts and thousands of teachers. It would take many hours each week to address the number of questions that would arise. Since I already have a full-time job and a family life, it is necessary for me to charge for tech support to justify the time spent.

The **optional tech support service plan is \$250 for a year**. This provides:

- **Tech support** for your **tech staff** and for **your teachers** (with the tech support plan, a link will be activated on the main edit page which your teachers can use to contact me for assistance.)
- **Tech support** through **email, phone, Skype, or remote connection to your server**
- **Prioritized response** to your needs (usually within 24 hours)
- **Prioritized development** of new feature requests (new versions are typically released twice per year)
- A **warm and fuzzy feeling** for helping to support the development of the program

If you **choose not to pay** for the optional tech support service plan, you will still have the following:

- Teachers and tech staff have access to over **60 detailed and easy-to-understand help guides** built right into POW-PAK
- Tech staff have access to this detailed **POW-PAK install guide** to walk you through installing and configuring the program
- Although I would not be able to answer questions from teachers, I will still be glad to take **questions from your main tech person**. In such cases, I will **not be able to guarantee a timely reply**, but will provide a response when I am able to.

Please contact me (info@curtsworks.com) if you are interested in purchasing the optional tech support service plan.

Extra Info: Optional training services

If you want or need **training, professional development**, or any type of **speaking services**, I can be hired for that. Examples could include:

- **Professional development** for your staff (teachers, secretaries, administrators, etc.) on POW-PAK or any other technology need.
- **Training** for your tech support team on POW-PAK.
- **Consulting** on the implementation and use of POW-PAK.
- General technology assistance

Training services typically cost **\$100 per hour plus expenses**. For full details, visit my speaking services web page at:

<http://www.curtsworks.com/speak/>

NOTE: Training services and the tech support plan are **not required for you to acquire POW-PAK**. Such services are completely optional and based upon your needs or wants.