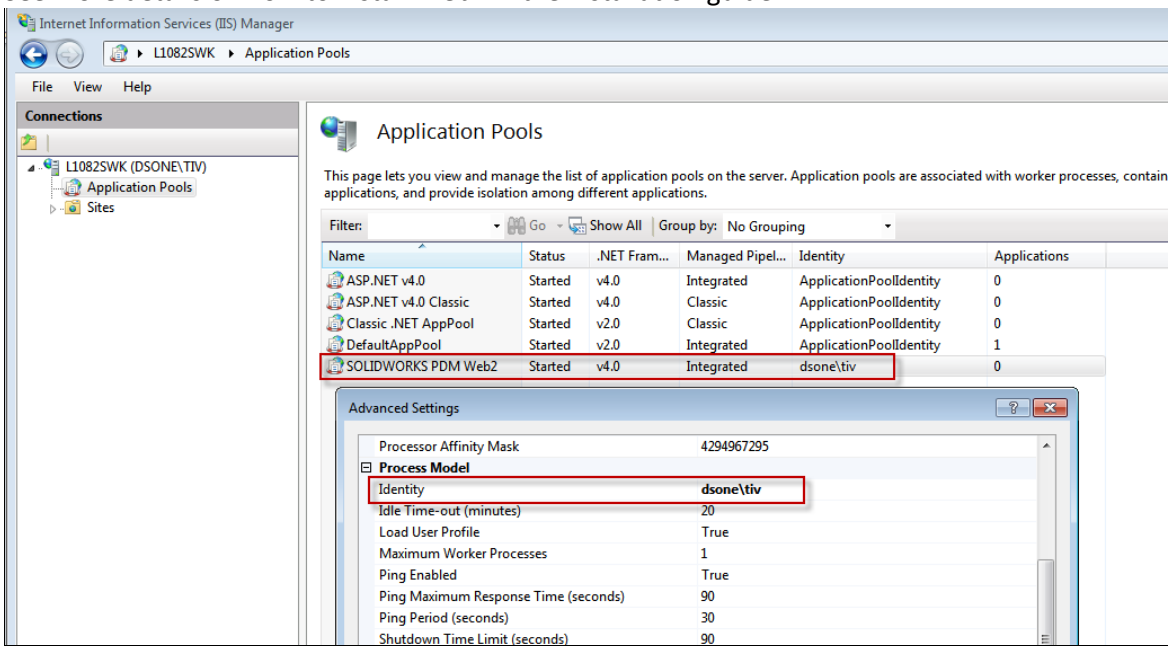
Instructions how to use a non-administrative Windows user for the Web2 application pool

The Web2 application will use the SOLIDWORKS PDM client API to access file vault information on the IIS server. In order for the API to be able to access the file vault, the Web2 application pool MUST run under a Windows user profile that has sufficient local registry and application data folder access, as well as COM component permissions required by the client API. For example the API needs access to the cached card images, installed add-ins and file format plugins etc.

When you log in to Windows with a user profile on the IIS server and access the local file vault view, the local application data folders and HKEY_CURRENT_USER registry entries for the vault will be created under that profile. This allows the Windows user to work in the vault. This user must also have local administrative permissions in order for the Web2 application to function.

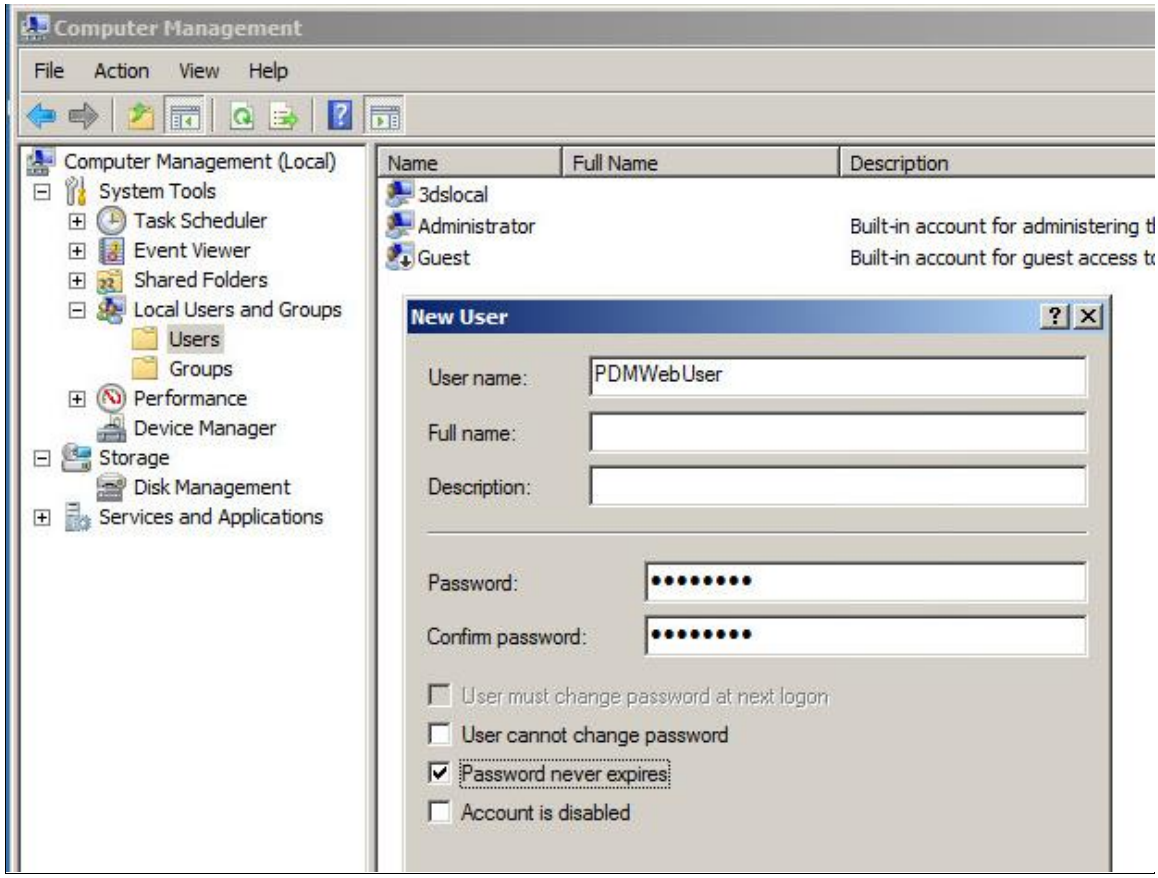
The administrator account that you log in and administer the IIS server under is normally sufficient for this purpose, and when you configure Web2 (either for a new install or when upgrading an existing installation) you must set the SOLIDWORKS PDM Web2 application pool identity to this administrative user account. See more details on how to install Web2 in the installation guide.



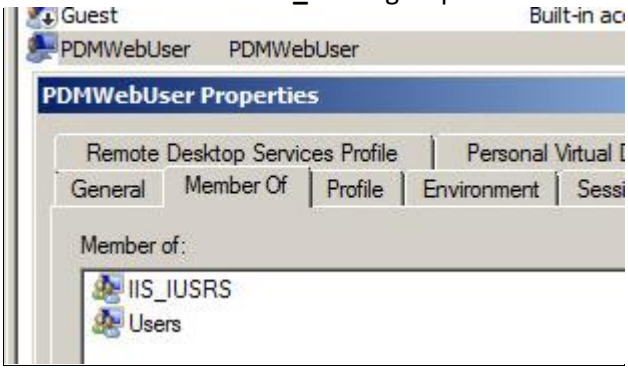
If you however want to use a non-administrator user account for the Web2 setup instead of a user with local administrative permissions you can configure a new account for this purpose. Follow the instructions below after you have installed IIS and Web2 as outlined in the installation guide.

Setup the local user account

1. Go to **Computer Management** and create a new local user.
2. Give the user a name and password.
    - Note that you must update the Web2 application pool identity settings if this user password changes at a later point

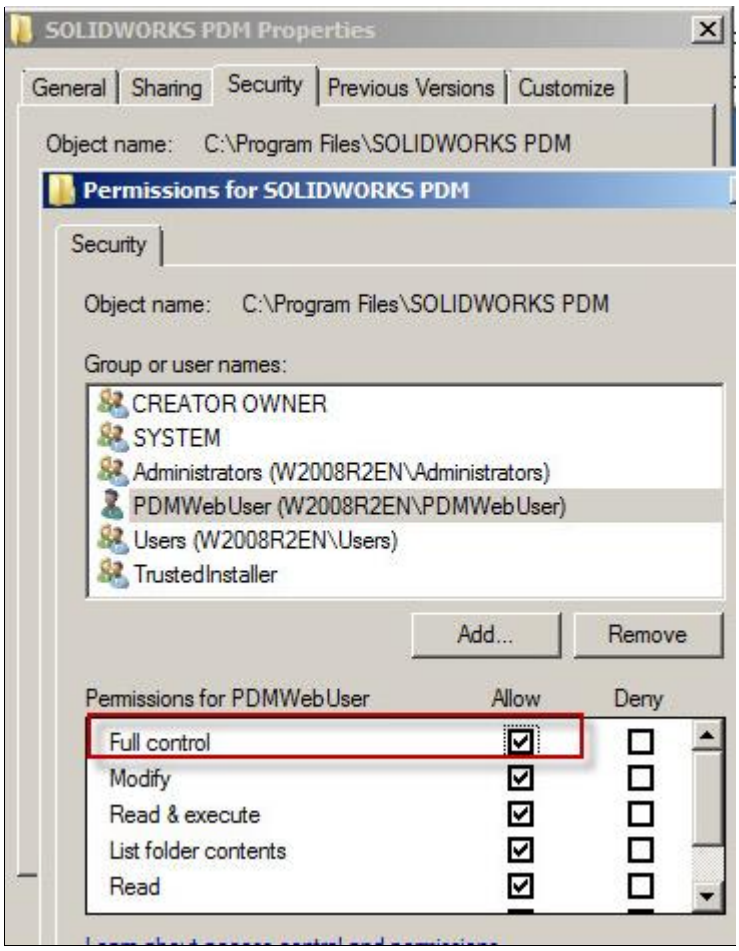


3. Once the user is created, open the user properties and go to **Member Of** tab.
4. Add user to the local **IIS_IUSRS** group.



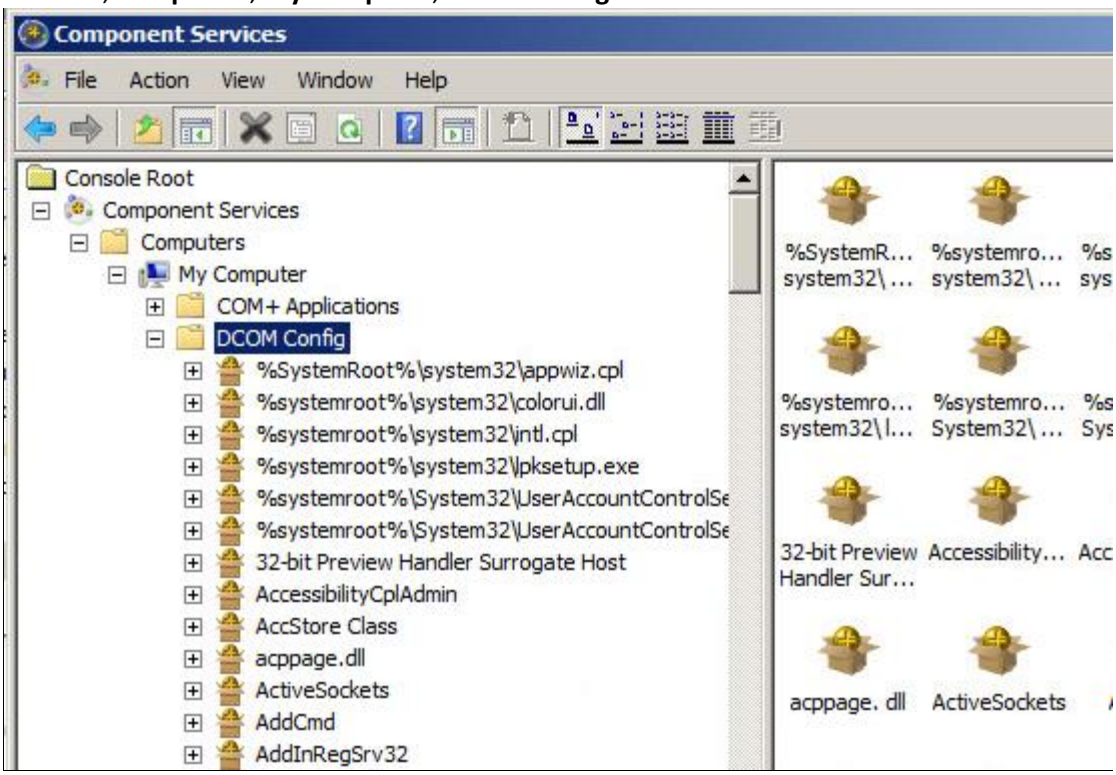
Assign permissions to the new account

1. Use Windows Explorer and give the new user **Full Control** in the **Security** tab of the following folders on the IIS server:
   - The SOLIDWORKS PDM installation folder (by default "**C:\Program Files\SOLIDWORKS PDM**")
   - The Web2 application installation folder (by default "**C:\inetpub\wwwroot\SOLIDWORKSPDM\Web2**")
   - The Windows services application data folder (by default "**C:\Windows\system32\config\systemprofile\AppData\Local\SOLIDWORKS\SOLIDWORKS PDM**")

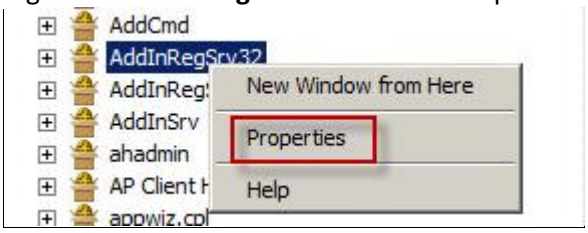


2. Web2 will use SOLIDWORKS PDM COM API calls to access the file vault. To make the COM components work correctly, the new user also needs permissions to launch and activate COM objects. To grant these permissions go to **Administrative tools** and open **Component services**. Expand **Component**

Services, **Computers**, **My Computer**, **DCOM Config**.

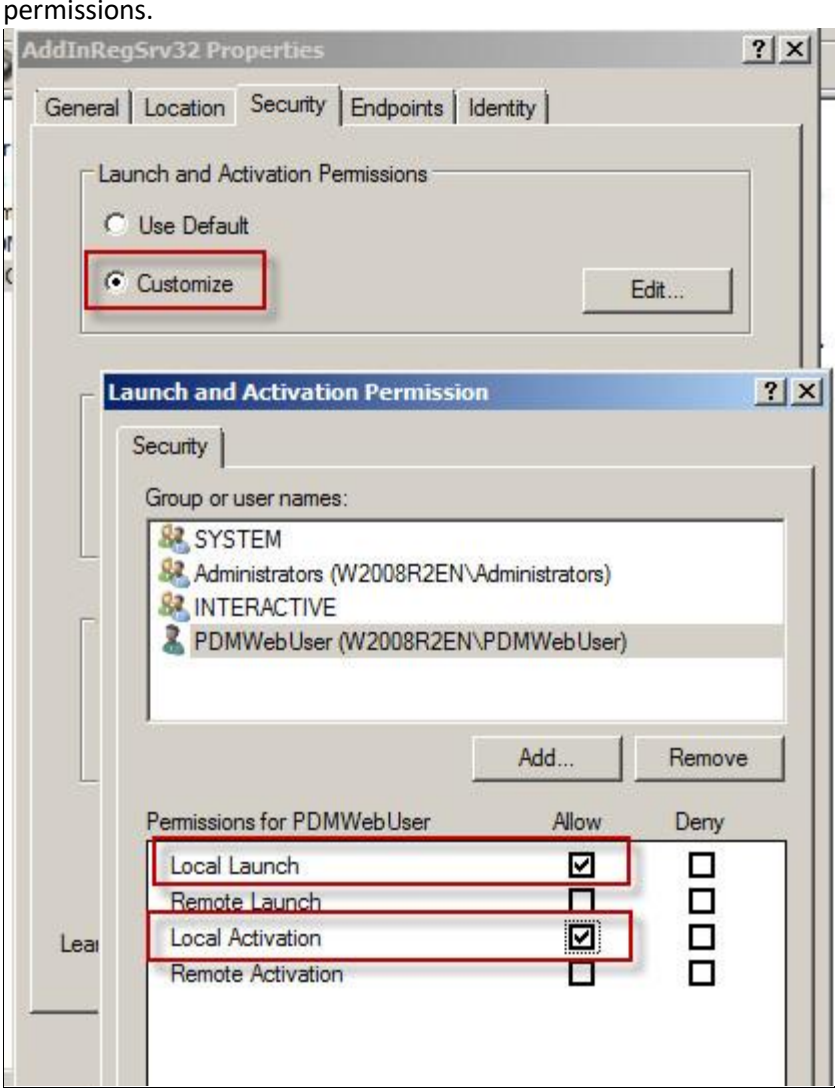


3. Right-click **AddInRegSrv32** and select Properties.



4. Under the **Security** tab, **Launch and Activation Permissions**, select **Customize** and then press the **Edit** button. Add the new user and mark the **Allow** checkbox for **Local Launch** and **Local Activation**

permissions.

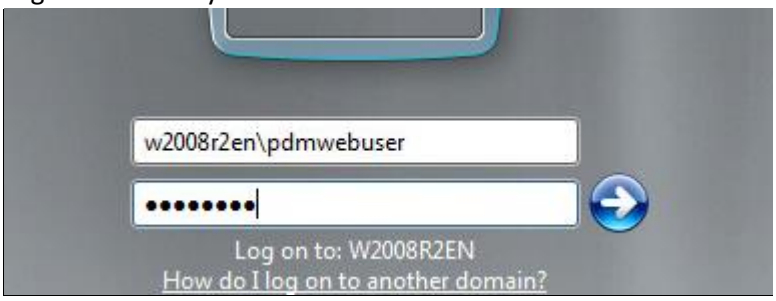


5. Repeat the procedure for the following components:
    - **AddInRegSrv64**
    - **AddInSrv**
    - **AutoVuePlugin**
    - **DwgFmtServer**
    - **InventorServer**
    - **MsgPluginSrv**
    - **NetRegSrv**
    - **SolidEdgePlugin**
    - **Via3DPlugin**
    - **XpsPlugin**

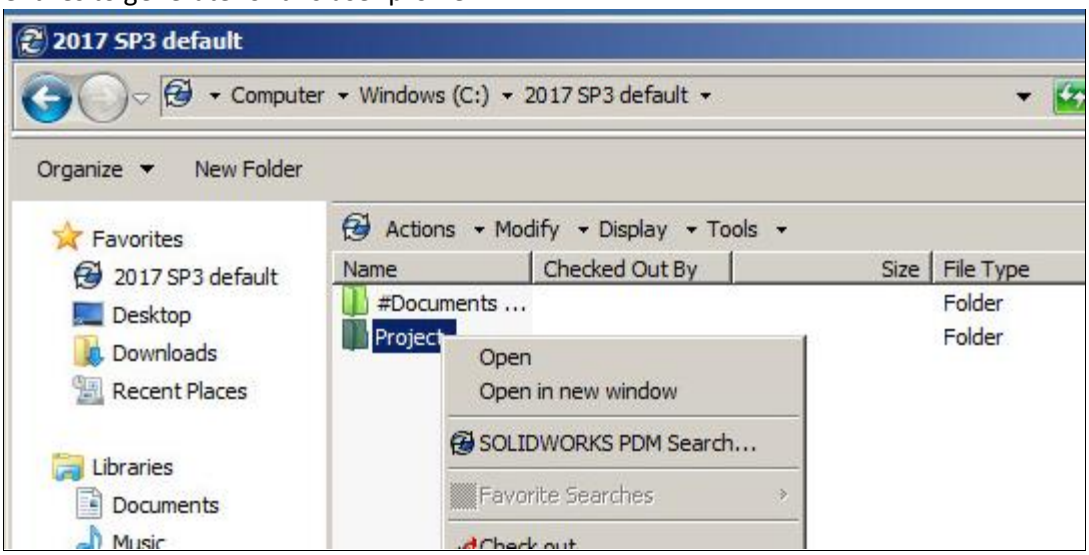
Prepare registry and local application data for the new account

1. Log off of the IIS system.

2. Log in to the IIS system with the new user account.



3. Browse in to the file vault view via Windows Explorer and log in as a user in the vault.
4. Right-click a folder or a file in the file vault view to get the required registry and local application data entries to generate for this user profile.

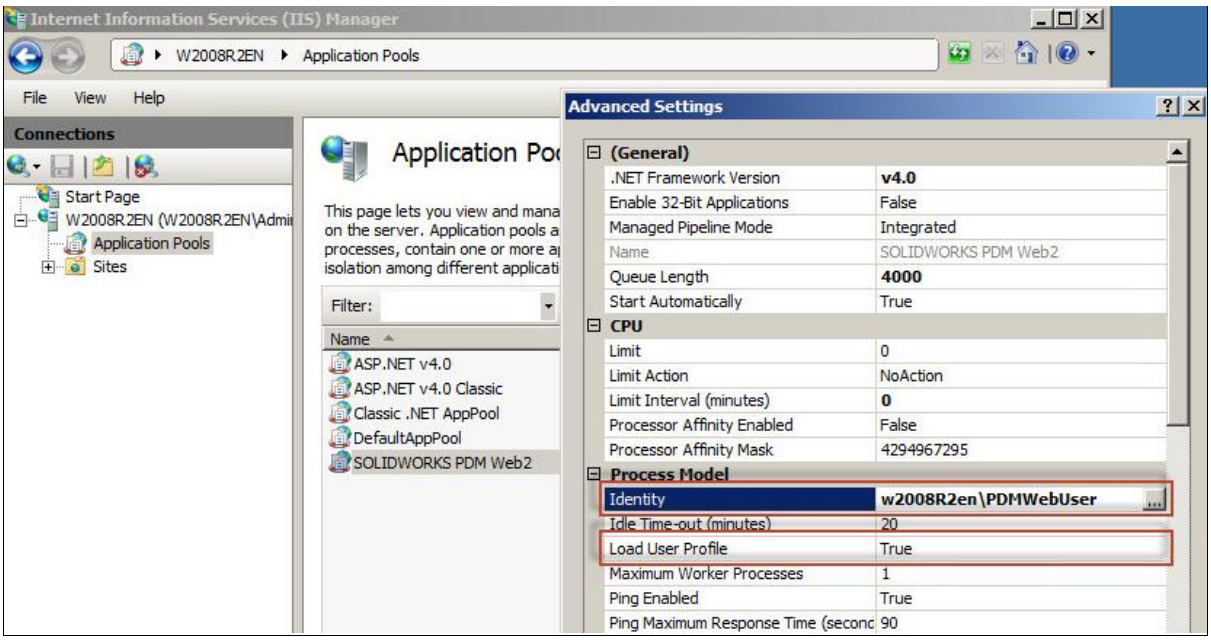


5. Log off of the vault, exit SWPDM via the tray icon and log off the IIS system.
6. Log in to the IIS system as the original Windows user with administrative permissions

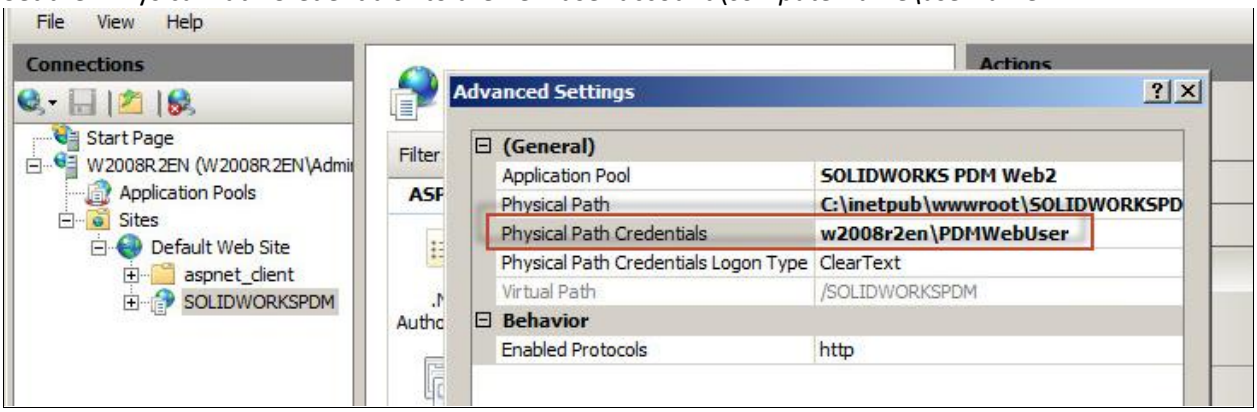
Configure the Web2 application pool to use the new user account.

1. Open the **Internet Information (IIS) Manager** and go to the **Application pools**. Right-click the **SOLIDWORKS PDM Web2** application pool and select **Advanced Settings**.
2. Change the **Identity** to the new user account (*computername**username*).

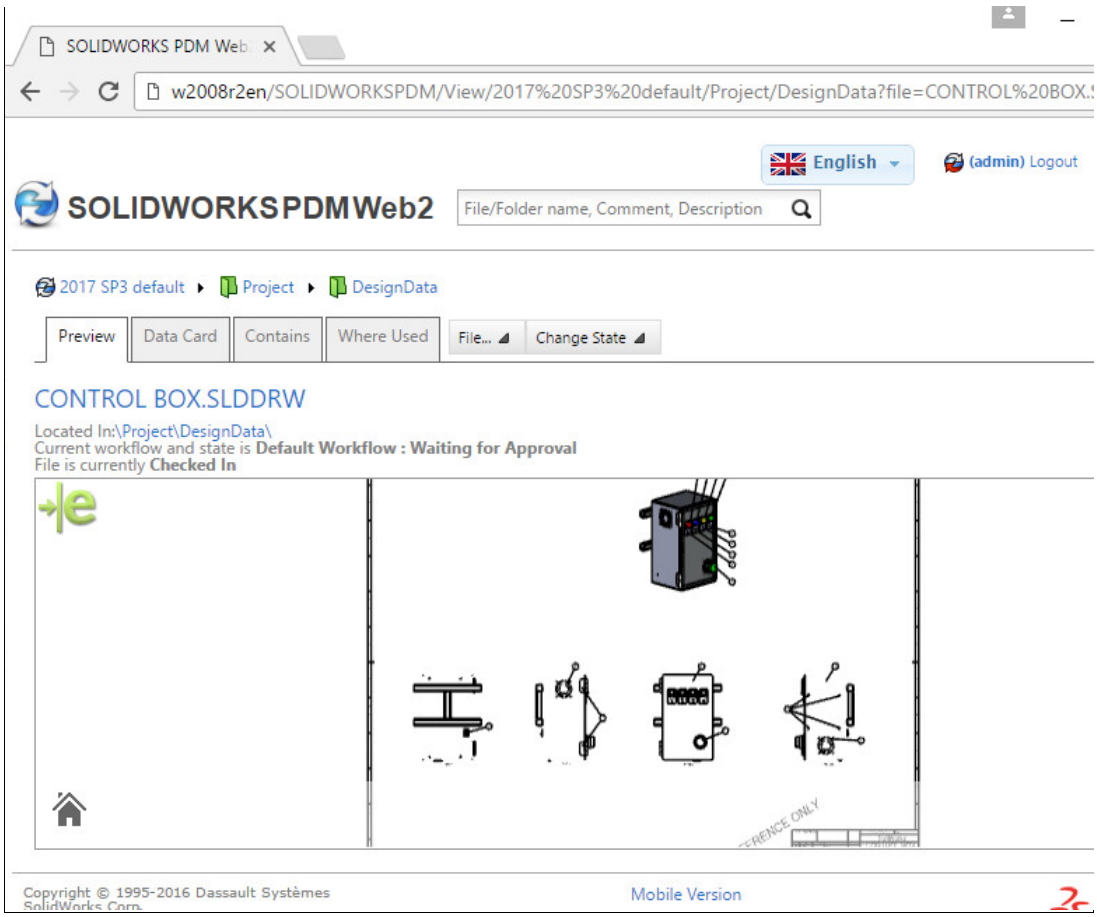
3. Set **Load User Profile** to **True**.



4. Under **Sites**, right-click the **SOLIDWORKSPDM** application and select **Manage Application**, **Advanced Settings**.
5. Set the "Physical Path Credentials" to the new user account (*computername**username*



Web2 should now run under the new user account and be accessible from a web browser.


SOLIDWORKS PDM Web
w2008r2en/SOLIDWORKSPDM/View/2017%20SP3%20default/Project/DesignData?file=CONTROL%20BOX.
English
(admin) Logout
SOLIDWORKS PDM Web2
File/Folder name, Comment, Description
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Current workflow and state is Default Workflow : Waiting for Approval
File is currently Checked In
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