Importing Panels with OCD '.DAT' files.

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Note: from version 1.23, certificates are preinstalled; you only need to import certificates if you have deleted them or if they have been updated.

Panels are made available by Ortho Clinical in .DAT format files. Each one of these files contains a digitally signed antigram in ASN.1 DER format. This format warrants that any change in the file, by chance or by part of a malevolent party, may not go unnoticed.
Resolvigen 3 can verify the signature while importing panels from .DAT files.

Getting OCD digital signature certificates.

First of all you should obtain OCD digital signature certificates from your local OCD company. Digital signature certificates contain the public key of the signer entities. Please note that while 'public keys' are by their nature public, you should make sure you obtain them through a trusted source. This is because Resolvigen 3 will later consider trustworthy any information that is signed by the owners of these certificates. OCD certificates are normally made available in a .p7b file (PKCS#7).

Importing digital signature certificates.

In order to be able to verify digital signatures in .DAT files, it is necessary to load digital signature certificates into Resolvigen 3 first.
Log in as 'root': double click on the user name in the bottom right corner of Resolvigen 3 main window, or select **Access** archive and click on **Change user** item in **Access** menu.


In both cases Resolvigen 3 will display the change user dialog. Type 'root' as user name and enter root's password.


After clicking **OK**, Resolvigen 3 toolbar will turn red; this should be considered as a warning: never leave Resolvigen 3 in root mode unattended: a malevolent user could take a chance to hamper the security features of Resolvigen 3.
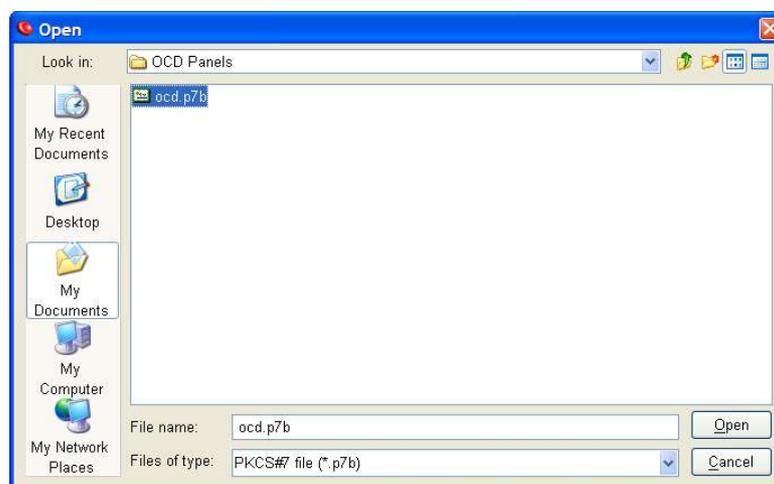Select **Change security setup** from **Access** menu; Resolvigen 3 will display the **Security settings** dialog window.
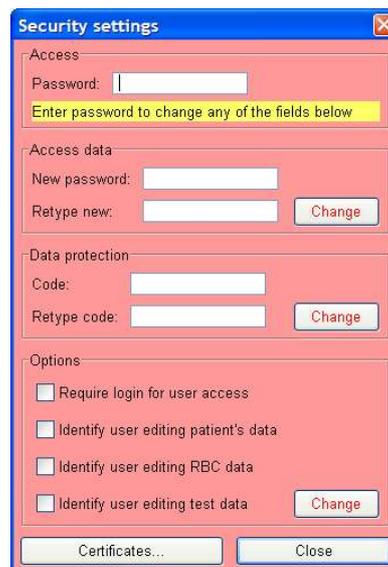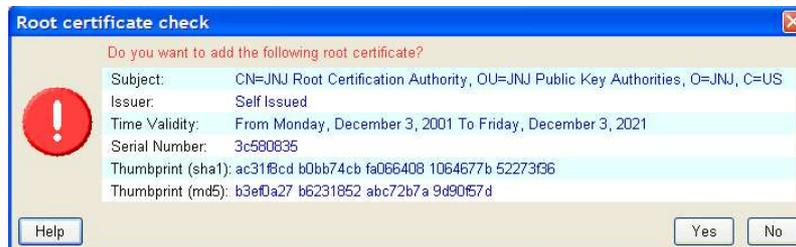
Click on the **Certificates** button in the bottom left corner of this window.
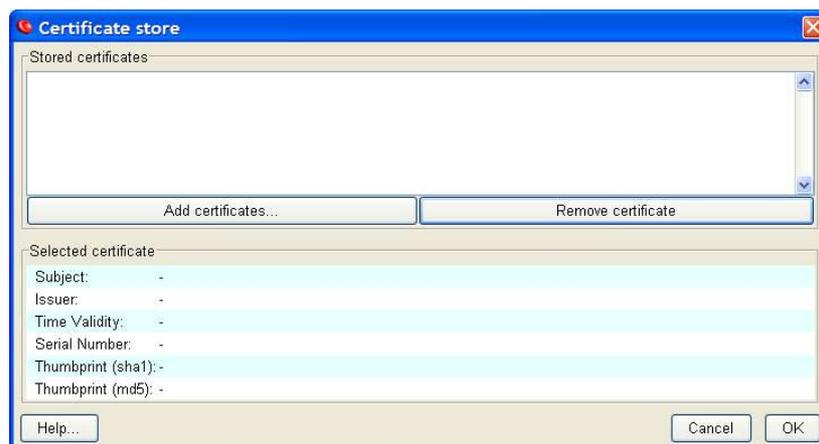
Click the **Add certificates** button and select the .p7b file you obtained from OCD.

P7B files usually contain chains of certificates, each one warranted by a parent certificate, except the first one in the chain, that warrants for itself.

Resolvigen 3 flags self-signed certificates; you should verify these certificates by comparing the thumbprints (both sha1 and md5) with someone you trust, then click the **Yes** button to accept the certificate.
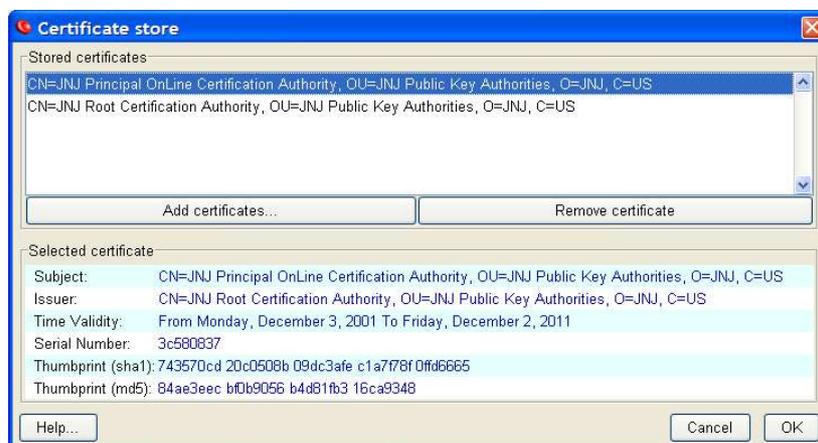
All certificates in chain will be displayed in the **Certificate Store** window.
Click **OK** to close this window, the close **Security Settings** window.
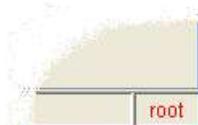
You should now double click on 'root' label in the bottom right corner of Resolvigen 3 main window and login again, for example as guest.

Importing Panels from .DAT files.

You may now import Panels from .DAT files: you should obtain .DAT files for the currently active panels from OCD then select **Import Panels** from **Panels** menu. Resolvigen 3 will display the **Import Panels** dialog. By using this dialog you may import Panels from any of the three supported formats:

- Resolvigen 2: this is the format used by Resolvigen 2 and is currently the most often used format.
- Resolvigen XML: this is the native format used by Resolvigen 3.
- OCD Files: this is the format used By OCD to distribute antigrams.
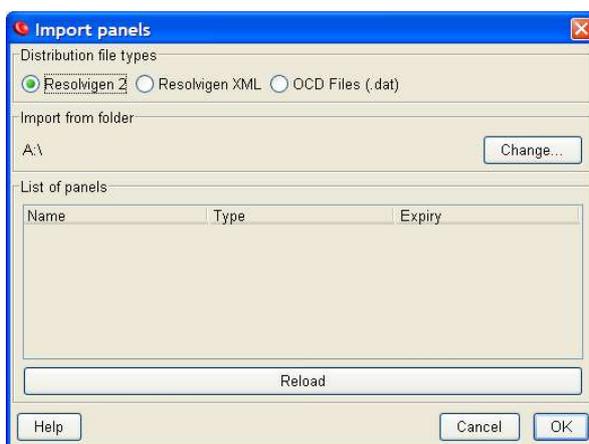
Select OCD Files (.dat) among the formats listed at the top of the window and click **Change** button to select the folder in which you have stored the .DAT files.
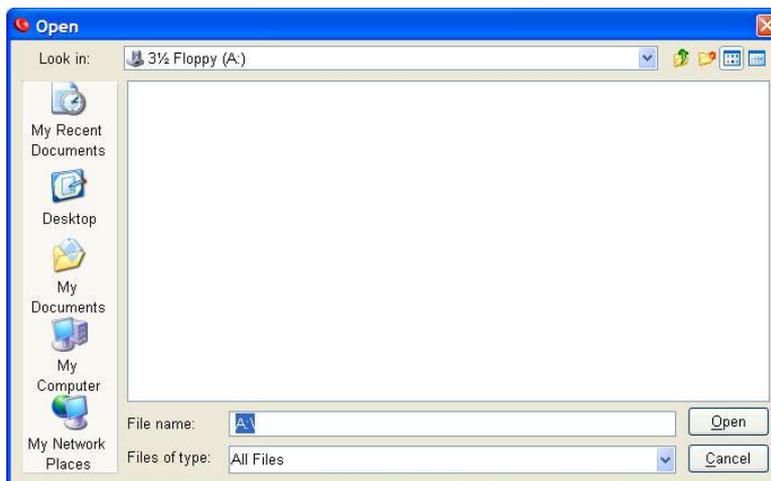
Click **Open** button to check all .DAT files available in the selected directory; please note that the digital signature verification process is quite time consuming, so this step may require some time, especially if several .DAT files are present in the directory.
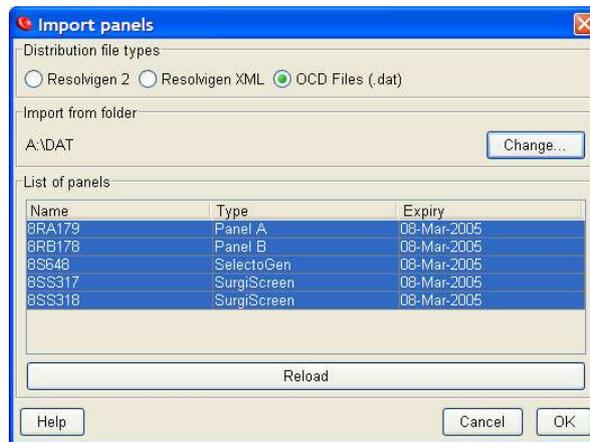
Click **OK** to import all the selected panels; please note that by default only valid Panels are displayed, so if you are importing expired panels for some reason, they will not be immediately displayed in the main window. In this case select **View→All Panels** in **Panels** menu to display them.

Note: a complete digital signature verification process should check CRLs (Certificate Revocation Lists) on the Internet to make sure that the digital signature certificate signing the document has not been revoked. This step is skipped by Resolvigen 3 because it is often problematic and requires the computer verifying the signature to be connected to the Internet.