

Third party application support

DAD has the ability to link with external 3rd party applications.

Linking to DAD

To generate a link to an object in DAD, click the email icon in the Details form (circled below). This will open your default mail client with a link to this object.



This link will launch the specific version of DAD, provided this is already installed. It will then connect to the specified server and database and will open the specified Details form for the Object that has been called.

The format of the link will differ slightly for different versions of DAD as illustrated below.

DAD v10.0.1 <dadv1001://testserver.dad.net.au/sampleDB/10064/10001>

DAD v11.0.0 <dadv1100://testserver.dad.net.au/sampleDB/10064/10001>

DAD v11.1.0 <dadv1110://testserver.dad.net.au/sampleDB/10064/10001>

These links would open the applicable version of DAD and connect to:

Server: testserver.dad.net.au

Database: sampleDB (N.B. The database must be at the same version as the client)

The DAD object id is contained in the URL which in the above sample is 10064.

The final number is reference to the DAD portal to open in, in this case the SIM.

Below is the list of ids for the portals:

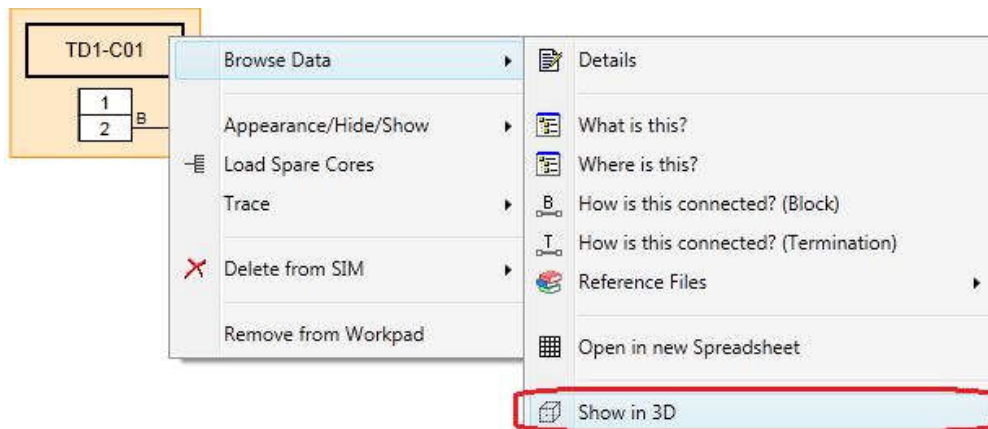
- Publish 9900
- Construction 9920
- Operations 9940
- Review 9960
- Commissioning 9965
- Spatial 9970 (Only applicable to v10)
- Procurement 9975
- Design 10001

N.B. A SQL script can easily be created to produce tables with large quantities of object ID's plus their matching descriptions and any other attributes for bulk interfacing with the SIM.

Linking from DAD

We allow for customised menu items to be added into the DAD Workpad interface that will pipe all requests to a batch file with a delimited string of parameters. The batch file is expected to be located in the same directory as the DAD.exe.

You will need to request an SQL script from support@dad.net.au which will unlock your DAD clients with the appropriate menu item(s) to the batch file. The menu item(s) will appear in the Workpad context menus for components as shown below.



The menu text (“Show in 3D” in above example) can be customised as you like.

The batch file will be passed a string in the following format:

```
dadID1:TagDesc1:customID1:menuItemIndex,
```

```
dadIDn:TagDescn:customIDn:menuItemIndex
```

dadID: is the internal DAD id for the selected object

TagDesc: is the name of the selected object in DAD

customID: is an attribute you can put on the object and populate with an id you require for your 3rd party app

menuItemIndex: is the numeric index of the menu item (for users with multiple entries)

Multiple objects can be selected.

The contents of the batch file is decided by you, the third party. Typically the single string parameter is passed off to a separate application to be broken down and used.

To summarise:

- The batch file is expected to be located in the same directory as the DAD.exe.
- The batch file is created by the system admin, this is not created by DAD.
- The batch file is to be named “ThirdPartyApps.bat”
- The contents of the batch file can be whatever you like.

Batch File - Sample 1

This will simply invoke your executable and pass in the first selected item from DAD.

```
c:\dir1\dir2\YourExe.exe %1
```

Batch File - Sample 2

In this example we output the string to a log file located in a directory called “c:\dadtemp”

The first line of the batch file clears all contents in the log file.

The second line outputs all selected items to the log file.

```
copy NUL c:\dadtemp\thirdparty.log  
echo %* >> c:\dadtemp\thirdparty.log
```