

RTI Spreadsheet Add-in

for Microsoft[®] Excel[®]

Release Notes

Version 5.0.0



Your systems. Working as one.



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Release Notes

1 Compatibility

RTI® Spreadsheet Add-in for Microsoft Excel 5.0.0 is an optional product designed for use with *RTI ConnexT™* (formerly *RTI Data Distribution Service*) 5.0.0.

This release is compatible with 32-bit Microsoft Office Excel 2003, 2007, and 2010 on all Windows architectures listed in the *RTI Core Libraries and Utilities Release Notes* for 5.0.0. It is not compatible with 64-bit versions of Excel.

RTI Spreadsheet Add-in for Microsoft Excel is not compatible with applications built with *RTI Data Distribution Service* 4.5e and earlier releases when communicating over shared memory. For more information, please see the Transport Compatibility section in the *RTI Core Libraries and Utilities Release Notes*.

The installer requires Microsoft .Net Framework 3.0 or higher. If you do not already have it, the installer will open a browser window so you can download the latest version.

1.1 Backwards Compatibility with Spreadsheets from Version 4.x



If you are upgrading from a previous release and you have Excel files that use the RTD function to subscribe to data, you must make a small change. This function has a new required parameter that specifies a type version name.

```
=RTD("DDS2Excel.Connect", ,  
    "TYPE:<type_name>", "TOPIC:<topic_name>", "TYPENAME:<type_version_name>",  
    "FIELD:<field_name1>"  
    [, "KEY:<field_name2>=<value2>" [, "KEY:<field_name3>=<value3>" ...]]  
    [, "MANUAL:<sheet_name>"])
```

For more information, see Appendix A in the *RTI Spreadsheet Add-in for Microsoft Excel User's Manual*.

2 What's New in 5.0.0

- ❑ This release provides compatibility with *Connex* 5.0.0 and support for Extensible Types, a new feature in *Connex* 5.0.0. When the add-in is communicating with a *Connex* application that uses this new feature, you may see more than one choice for a data type in the dialogs for creating topic monitors, subscriptions, and publications. For details, please see Section 2.7, *Integration with Extensible Types*, in the updated *RTI Spreadsheet Add-in for Microsoft Excel User's Manual*.
- ❑ The add-in can display two new meta-data elements: sample identity and related sample identity. The new Topic Monitor fields are:
 - **sample_identity**, which combines the SampleInfo fields **original_publication_virtual_guid** and **original_publication_virtual_sequence_number**.
 - **related_sample_identity**, which combines the SampleInfo fields **related_original_publication_virtual_guid** and **related_original_publication_virtual_sequence_number**.

These two fields are especially relevant when your *Connex* system is using the new Request-Reply communication pattern. The **related_sample_identity** will receive a value for samples that are replies to a request.

3 Known Issues

3.1 Topics of DynamicData Types with Bit Fields not Supported

Types that contain bit fields are not supported by DynamicData. Therefore, when *rtiddspy* discovers any type that contains a bit field, *rtiddspy* will print this message:

```
DDS_DynamicDataTypeSupport_initialize:type not supported (bitfield member)
```

[RTI Issue ID CORE-3949, Bug # 13949]

3.2 Toolbar Not Removed During Uninstallation

After uninstalling *Spreadsheet Add-in* for Microsoft Excel, the toolbar remains in the Add-Ins tab. You may remove it manually as follows:

Office 2010:

- From Excel's File tab, select **Options, Add-ins**.
- Next to Manage:, select **COM Add-ins**, then click **Go...**
- Select **RTI Spreadsheet Addin for Microsoft Excel**, then click **Remove**.

Office 2007:

- Click the Microsoft Office Button Button and select **Excel Options, Add-Ins**.
- Select **RTI Spreadsheet Addin for Microsoft Excel**, then click **Delete**.

Office 2003:

- In Excel, select **Tools, Customize**.
- Select **RTI Spreadsheet Addin for Microsoft Excel**, then click **Delete**.

[RTI Issue ID XLSPLG-4, Bug # 12818]

3.3 Arrays of Sequences Not Supported

Data types that include arrays of sequences are not supported. No data will be shown for such fields.

For example, this is *not* supported:

```
struct MyType {
    sequence<long> mySeqArray[100];
};
```

A workaround for the above code is:

```
struct MySeq {
    sequence<long> mySeq;
};
struct MyType {
    MySeq mySeqArray[100];
};
```

[RTI Issue ID XLSPLG-8, Bug # 12844]

