

AutomationDesk is 2.0!

- **Enhanced usability**
- **Numerous innovations**
- **New Sequence Builder**

dSPACE will soon provide a completely new look for AutomationDesk, the test automation software: new features, new user interface options, and above all, enhanced usability. There are numerous new features that make it easier to create and edit extensive test sequences. These include such practical innovations as setting bookmarks, and navigating or zooming in test sequences in the same way as on a map. The technical highlights include enhanced multi-user support and a new offline mode for executing tests without connected hardware or external software.

Not Just a Face-Lift

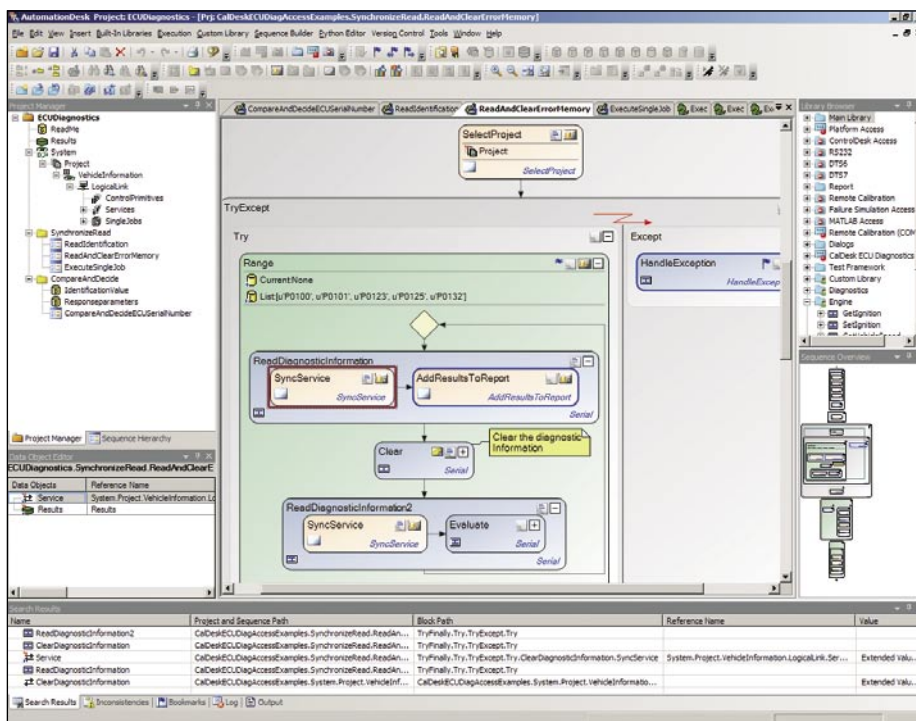
A quick glance at all AutomationDesk's new icons, shortcuts, and toolbars will tell you that a lot has happened beneath the surface. Many features have been reworked with the aim of enhancing usability. The Sequence Builder, used for developing test sequences graphically, has a new user interface more closely compliant with the UML standard. The block layout has been redesigned to provide greater infor-

mation density and now displays comments, notes, data objects, and data.

Enhanced Navigation and Readability

Also new is the Sequence Builder Overview, giving users a well-organized view of the test sequences. Users can navigate in test sequences in the same way as on a digital map, zooming in and out of sections as required. The new bookmark feature also

makes for easier navigation. Users can place bookmarks on several blocks and simply click to jump from one to the other – even from one sequence to another – for example, if a specific block has to be edited frequently. AutomationDesk's individual panes can now be rearranged as required or even moved out to a second monitor, and users have an additional option for creating their own menu commands.

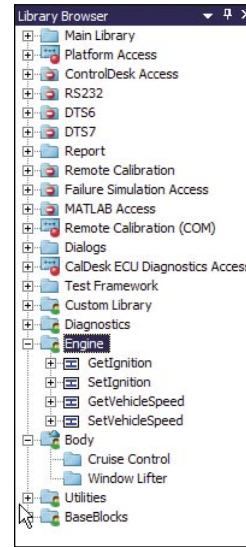


▲ AutomationDesk 2.0's new user interface.

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34 -----
35 # Class: RTTSequencesEvents
36 # ... Event class to attach to real-time testing sequences events
37 -----
38 class RTTSequencesEvents(rttmanagerlib.IRTSequencesEvents):
39     def __init__(self, EventSource, Events):
40         # Call base class constructor to connect to event source
41         rttmanagerlib.IRTSequencesEvents.__init__(self, EventSource)
42
43         # Collection of all events
44         self.Events = Events
45
46     def OnError(self, Sequence):
47         """Method OnError"""
48         Sequence = rttmanagerlib.IRTSequence(Sequence)
49         Information = "Stack: %s\nType: %s\nValue: %s" % (Sequence.LastExecutionError,
50             Sequence.LastExecutionError, Sequence, Information)
51         self.OutputEventInformation("OnError", Sequence, Information)
52
53     def OnStateChanged(self, Sequence, NewState):
54
55     def OnWrite(self, Sequence, Output):
56         """Method OnWrite"""
57         Sequence = rttmanagerlib.IRTSequence(Sequence)
58         self.OutputEventInformation("OnWrite", Sequence, Output)
59
60     def OnRemove(self, Name):
61
62     def OnCreate(self, Sequence):
63         """Method OnCreate"""
64         Sequence = rttmanagerlib.IRTSequence(Sequence)
65         self.OutputEventInformation("OnCreate", Sequence.Name, "New RTTSequence: %s" %
66             Sequence.Name)
67
68     def OnResetTestEngine(self):
69         """Method OnResetTestEngine"""
70         self.OutputEventInformation("OnResetTestEngine", "", "Reset test engine.")
71
72     def OutputEventInformation(self, EventName, Sequence, Information):
73         # Output the event informatino to stdout or trace window
74
75
76
77
78
79

```



◀ Several user-specific libraries.

▲ Integrated Python Editor with new functions.

New Python Editor

A new multi-instance-capable Python Editor is integrated into AutomationDesk 2.0. This is a convenient means of editing test steps in Exec blocks consisting of Python code. Bookmarks can be used in the new Python Editor in the same way as in the Sequence Builder. Individual sections such as loop or method bodies can be collapsed for better readability during programming work.

Offline Mode for Testing Tests

When AutomationDesk 2.0 is used for test development, test sequences can now be executed "offline" without specific tools such as a calibration and/or diagnostic tool or a hardware-in-the-loop simulator having to be available. Test steps executed in offline mode output default values that were previously defined by the user. The new offline mode supports "test testing" without consuming valuable time on the simulator or requiring licenses for external tools.

Enhanced Multi-User Support

AutomationDesk's multi-user support has also been extended. For example, it is possible to create several user-specific libraries. Export and import functions let users exchange libraries quickly and easily via e-mail

or network drives. Not only entire AutomationDesk projects can be placed under version control from within AutomationDesk, but also user-defined libraries. Version control systems can be integrated via the Microsoft Source Code Control (SCC) Interface: Suitable systems include Microsoft® Visual SourceSafe, MKS® Source Integrity, IBM® Rational® and ClearCase®. dSPACE also of course provides connection to other systems if required.

Further Innovations

The list of new features continues:

- Consistency checks before test execution
- Extended search function
- Relative paths supported
- Multi-level undo/redo
- User-defined layouts
- Real-time testing with Real-Time Testing 1.3
- Python 2.5 supported

Numerous new features make AutomationDesk even easier to work with. Version 2.0 is a great leap forward, continuing AutomationDesk's pioneering role as the definitive tool for test creation and automation.

For further information on the release date of AutomationDesk 2.0, please visit www.dspace.com/goto?release