

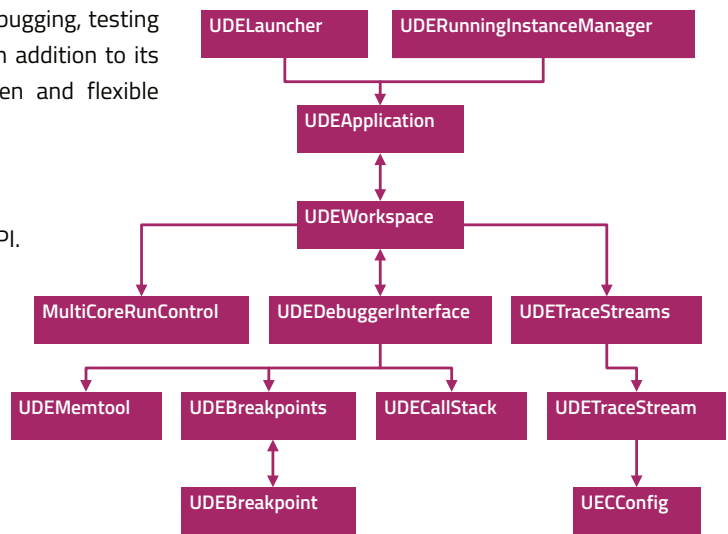
Scripting and Debug Automation with UDE® Universal Debug Engine

The UDE® Universal Debug Engine is a powerful tool for debugging, testing and system analysis of embedded software applications. In addition to its interactive debugging capabilities, UDE® provides an open and flexible interface for scripting, debugging and test automation.

UDE® Object Model

The UDE® Object Model is a highly flexible, open software API.

- Based on Microsoft® COM (Component Object Model).
- Access to all debugger functions of UDE®.
- Covers functions from basic debugging to complex trace and analysis use cases.
- Hierarchical object structure for debugger components and functions.
- Included as part of every UDE® base license.
No additional costs.



Scripting for Debug and Test Automation

Using Microsoft COM as the base technology for the UDE® Object Model provides the following benefits and unique features:

- Not tied to a specific scripting language.
- No proprietary script language.
- Use of the scripting language of your choice.
- Support for: Python, PowerShell, JavaScript, Perl, VisualBasic, C#, C++, etc.
- Work with your existing knowledge and preferred tools.

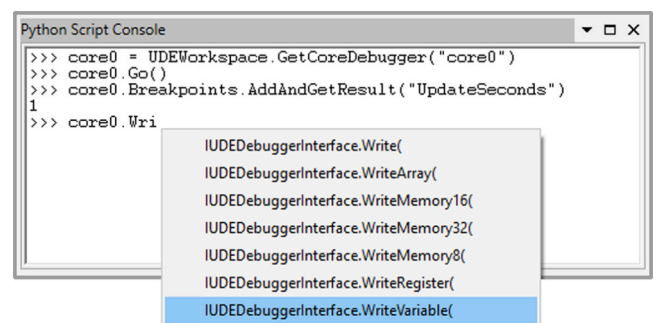
UDE® Python Console

UDE® comes with an integrated Python console that enables developers to use the popular Python scripting language in an interactive debugging session. The UDE® Python Console provides many useful features:

- | | |
|---|-------------------------------|
| ▪ Executing Python commands and call UDE® API functions | ▪ Variable inspector |
| ▪ Auto-completion | ▪ Save command sequence |
| ▪ Command history | ▪ Run saved command sequences |
| | ▪ Run external scripts |

Seamless Tool Integration

UDE®'s open and flexible automation interface allows a seamless tool integration. Several commercial test tool vendors have been successfully adapting the UDE® Object Model for direct access to the embedded target system for years. For the development of in-house test and analysis tools, the language-independent COM interfaces provide an easy and standardized way to communicate with UDE® and to access the powerful debugging and test functions.



If you have any questions about our products, please feel free to contact us:

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