_API Coding FAQ

Languages

- Accessing Microwave Office from C Program
- Accessing Microwave Office from Matlab thru COM API
- Connecting to correct AWRDE instance from an external program
- Can I Access the API from Perl or VBScript
- Using Microsoft Powershell to Control AWRDE
- Scripting How-To: Setting Complex Properties from Python
- Scripting How-To: Invoking a Project Script from COM

VB

- Scripting How-To:How Can I Easily Scan Drives, Directories, Files in a Directory, and Perform Basic File Operations

Design Environment

- Scripting How-To: What is the AWR Design Environment API and how can I use it
- Scripting How-To: What are the Global Properties and Methods the API Provides in the Scripting Environment
- Scripting How-To: What is the Difference Between the Schematic and Schematics Objects

API Code Snippets in Visual Basic

VB

- Scripting How-To: Creating a Dialog with Status Text and a Progress Bar in AWR Scripting
- Scripting How-To: Using a Dictionary in AWR Scripting
- Scripting How-To: Using Excel to Control Microwave Office
- Scripting How-To: Using GetFilePath
- Scripting How-To: How to Prompt for a Folder in AWR Scripting
- Scripting How-To: File System Objects
- Scripting How-To: Checking an Object's Existence
- Shell Sort
- Scripting How-To: Example of Comparing Two Files
- Scripting How-To: File Utilities
- Scripting How-To: Using AWR Scripting to Access Equations
- Scripting How-To: Performing Complex Arithmetic in AWR Scripting
- Accesing API Reference in MWO Scripting

Design Environment

- Get a list of the arguments passed to the Design Environment on the command line
- Scripting How-To: Converting Between MKS and User Units in AWR Scripting
- Scripting How-To: Get Version of a Project with AWR Scripting
- Scripting How-To: Special Directory Listing
- Scripting How-To: Processing Schematic Hierarchy with AWR Scripting
- Option Explicit
- Scripting How-To: How do I Access the User Folders
- Scripting How-To: Writing messages to the Status Window with AWR Scripting
- Scripting How-To:Generating S-Parameter files from AWR Scripting
- Scripting How-To: Controlling Microwave Office Optimization with AWR Scripting

Schematic

- Scripting How-To: Getting the Properties of a Symbol in AWR Scripting
- Scripting How-To: Create a New Symbol in Microwave Office Using AWR Scripting
- Determining the Native Type of an Element Parameter
- Scripting How-To: On the Element Parameter Object What is the Difference Between ValueAsDouble and ValueAsString
- Wire Schematic Elements Together
- Scripting How-To: Creating a Schematic Wire in Microwave Office Using AWR Scripting
- Scripting How-To: How do I Reliably Connect Distant Elements in a Dense Schematic
- Scripting How-To: Adding a global Data Element Using AWR Scripting
- Scripting How-To: How Can I Determine Which Version of a Model is Being Used and Where it is Being Loaded From
- Scripting How-To: Function to get the Active Schematic Window
- Scripting How-To: Searching Schematics for a Specific Element Type

Layout

- Import an Layer Process Definition (LPF) File into a project
- Scripting How-To: How do I Import Multiple Layer Process Definition (LPF) Files into my Project
- Scripting How-To: How can I Create a iNet Route to Replace a Flight-line
- Scripting How-To: How Can I Create a Shape Associated with a Physical Net

- Scripting How-To: Efficiently Adding Drawing Objects
- Scripting How-To: Decoding Drawing Objects
- Scripting How-To: How Can I Import an Artwork Cell Library for Use in my Design
- Scripting How-To: How Can I Create a New Library Cell and Add Instances from a Reference Library
- Scripting How-To: How Can I Get Information About the Layout Cell Associated with a Particular Element Model
- Get the Active Layout

Graphs

- Scripting How-To: How to Easily Get Measurement Syntax
- Scripting How-To: Editing Graph Fonts
- Scripting How-To: How to Parse Measurement Strings

API Code Snippets in Python

- AWR Scripting in Python: Getting Started and Installation
- Scripting How to: Python for the AWR VB Developer
- Scripting How-To: Generating a Netlist in Python
- Scripting How-To: How to Parse Python Measurement Strings
- Scripting How-To: Setting Complex Properties from Python