



hidden class **%SYS.Python** extends [%Library.SystemBase](#)

Python interface
Import a module, and invoke its services.

▼ Inventory

Parameters	Properties	Methods	Queries	Indices	ForeignKeys	Triggers
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Methods			
%DispatchGetProperty	%DispatchSetProperty	Bytes	ChangeSignalState
Cleanup	Debugging	False	Import
Install	None	Run	SetStdIOMode
True			

Subclasses

▼ Methods

- method **%DispatchGetProperty(name As [%String](#))** as [%Integer](#) [Language = cpp]

Get a python object attribute.

- method **%DispatchSetProperty(propName As [%Library.String](#), value As [%Library.String](#))** [Language = cpp]

Get a python object attribute.

- classmethod **Bytes(cmd As [%Binary](#))** as [%Integer](#) [Language = cpp]

Convert COS string to a python bytes object. The sting cannot contain any wide char.

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- classmethod **ChangeSignalState(state As %Integer)** as %Integer [Language = cpp]

Set the signal handling state 0 - swap, 1 - disable swapping iris will notify, to python signal handling

- method **Cleanup()** [Language = cpp]

Release all associated resources

- classmethod **Debugging(state As %Integer)** as %Integer [Language = cpp]

If passed true, it doesn't reset the error context before invoking any python feature (enable this before invoking any pdb method).

- classmethod **False()** as %Integer [Language = cpp]

Returns Python True object.

- classmethod **Import(name As %Binary)** as %Integer [Language = cpp]

Loads a module and returns an object.
Returns zero on failure.

- classmethod **Install(packages As %String, dir As %String = "")** as %Status

Installs a new Python package into \$MGRDIR/python by calling pip. Install progress will be written to the current device.

- classmethod **None()** as %Integer [Language = cpp]

Return python None object that can be used for assignment or as argument.

- classmethod **Run(cmd As %Binary)** as %Integer [Language = cpp]

Run a Python cmd, multiple can be separated by new line \$c(10)

- classmethod **SetStdIOMode(flags As %Integer)** as %Integer [Language = cpp]

if flags bit 1 is set, the stderr (fd 2) output will be redirected to stdout (fd 1) if there is a current COS primary device, otherwise it will behave the original way and log it in messages.log

- classmethod **True()** as [%Integer](#) [Language = cpp]

Returns Python True object.

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