win32com.client.Dispatch

programtalk.com/python-examples/win32com.client.Dispatch

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Here are the examples of the python api win32com.client.Dispatch taken from open source projects. By voting up you can indicate which examples are most useful and appropriate.

163 Examples

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Example 101

Project: WAPT
Source File: testPersist.py
View license

```
def test():
lbcom = win32com.server.util.wrap(LockBytes(), pythoncom.IID_ILockBytes)
stcom = pythoncom.StgCreateDocfileOnILockBytes(lbcom, storagecon.STGM_DIRECT|
storagecon.STGM_CREATE | storagecon.STGM_READWRITE |
storagecon.STGM_SHARE_EXCLUSIVE, 0 )
ocs = OleClientSite()
ocscom = win32com.server.util.wrap(ocs, axcontrol.IID_IOleClientSite)
oocom = axcontrol.OleCreate( "{00020906-0000-0000-C000-000000000046}" ,
axcontrol.IID_IOleObject,
0 ,
( 0 ,),
ocscom,
stcom,
)
mf = win32ui.GetMainFrame()
hwnd = mf.GetSafeHwnd()
oocom.SetHostNames( "OTPython" , "This is Cool" )
oocom.DoVerb( -1 , ocscom, 0 , hwnd, mf.GetWindowRect())
oocom.SetHostNames( "OTPython2" , "ThisisCool2" )
doc = win32com.client.Dispatch(oocom.QueryInterface(pythoncom.IID_IDispatch))
dpcom = oocom.QueryInterface(pythoncom.IID_IPersistStorage)
ocs.SetIPersistStorage(dpcom)
ocs.SetIStorage(stcom)
```

```
wrange = doc. Range ()
for i in range ( 10 ):
wrange.InsertAfter( "Hello from Python %d\n" % i)
paras = doc.Paragraphs
for i in range ( len (paras)):
paras[i]().Font.ColorIndex = i + 1
paras[i]().Font.Size = 12 + ( 4 * i)
dpcom.Save(stcom, 0 )
dpcom.HandsOffStorage()
lbcom.Flush()
doc.Application.Quit()
```

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Example 102

Project: WAPT
Source File: scp.py
View license

```
def ScpCreate(
service_binding_info,
service_class_name,
account_name = None ,
container_name = None ,
keywords = None ,
object_class = "serviceConnectionPoint" ,
dns_name_type = "A" ,
```

```
    dn = None,
    dns_name = None,
    ):
    container_name = container_name or service_class_name
    if not dns_name:
        dns_name = win32api.GetComputerNameEx(win32con.ComputerNameDnsFullyQualified)
    if dn is None:
        dn = win32api.GetComputerObjectName(win32con.NameFullyQualifiedDN)
    comp = adsi.ADsGetObject("LDAP://" + dn, adsi.IID_IDirectoryObject)
    keywords = keywords or []
    attrs = [
        ("cn", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (container_name,)),
        ("objectClass", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (object_class,)),
        ("keywords", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, keywords),
        ("serviceDnsName", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (dns_name,)),
        ("serviceDnsNameType", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(dns_name_type,)),
        ("serviceClassName", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(service_class_name,)),
        ("serviceBindingInformation", ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(service_binding_info,)),
    ]
    new = comp.CreateDSObject("cn=" + container_name, attrs)
    logger.info("New connection point is at %s", container_name)
    new = Dispatch(new)
    AllowAccessToScpProperties(account_name, new)
    return new
```

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Example 103

Project: WAPT
Source File: scp.py
View license

```
def AllowAccessToScpProperties(
accountSAM,
scpObject,
schemaIDGUIDs =
( "{28630eb8-41d5-11d1-a9c1-0000f80367c1}" ,
"{b7b1311c-b82e-11d0-afee-0000f80367c1}" ,
)
):
if accountSAM:
trustee = accountSAM
else :
trustee = win32api.GetComputerObjectName(win32con.NameSamCompatible)
attribute = "nTSecurityDescriptor"
sd = getattr (scpObject, attribute)
acl = sd.DiscretionaryAcl
for sguid in schemaIDGUIDs:
ace = Dispatch(adsi.CLSID_AccessControlEntry)
ace.AccessMask = ADS_RIGHT_DS_READ_PROP | ADS_RIGHT_DS_WRITE_PROP
ace.Trustee = trustee
ace.AceType = ADS_ACETYPE_ACCESS_ALLOWED_OBJECT
ace.AceFlags = 0
ace.Flags = ADS_FLAG_OBJECT_TYPE_PRESENT
ace.ObjectType = sguid
acl.AddAce(ace)
sd.DiscretionaryAcl = acl
setattr (scpObject, attribute, sd)
scpObject.SetInfo()
logger.info( "Set security on object for account '%s'" % (trustee,))

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Example 104

Project: WAPT
Source File: scriptdispatch.py
View license

```
1  def _dynamic_( self , name, lcid, wFlags, args):
```

```
2  self .engine.RegisterNewNamedItems()
3  self .engine.ProcessNewNamedItemsConnections()
4  if wFlags & pythoncom.INVOKE_FUNC:
5  try :
6  func = getattr ( self .scriptNamespace, name)
7  if not _is_callable(func):
8  raise AttributeError(name)
9  realArgs = []
10 for arg in args:
11 if type (arg) = = PyIDispatchType:
12 realArgs.append(Dispatch(arg))
13 else :
14 realArgs.append(arg)
15 try :
16 return self .engine.ApplyInScriptedSection( None , func, tuple (realArgs))
17 except COMException, (hr, msg, exc, arg):
18 raise
19 except AttributeError:
20 if not wFlags & pythoncom.DISPATCH_PROPERTYGET:
21 raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
22 if wFlags & pythoncom.DISPATCH_PROPERTYGET:
23 try :
24 ret = getattr ( self .scriptNamespace, name)
25 if _is_callable(ret):
26 raise AttributeError(name)
27 except AttributeError:
28 raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
29 except COMException, instance:
30 raise
31 except :
32 ret = self .engine.HandleException()
33 return ret
34 raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
```

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Example 105

Project: WAPT
Source File: wmi.py
View license

```
def __init__ ( self , ole_object, method_name):
try :
self .ole_object = Dispatch (ole_object)
self .method = ole_object.Methods_ (method_name)
self .qualifiers = {}
for q in self .method.Qualifiers_:
self .qualifiers[q.Name] = q.Value
self .provenance = "\n" .join ( self .qualifiers.get ( "MappingStrings" , []))
self .in_parameters = self .method.InParameters
self .out_parameters = self .method.OutParameters
if self .in_parameters is None :
self .in_parameter_names = []
else :
self .in_parameter_names = [(i.Name, i.IsArray) for i in
self .in_parameters.Properties_]
if self .out_parameters is None :
self .out_parameter_names = []
else :
self .out_parameter_names = [(i.Name, i.IsArray) for i in
self .out_parameters.Properties_]
doc = "%s (%s) => (%s)" % (
method_name,
", " .join ([name + (" ", " []")[is_array] for (name, is_array) in
self .in_parameter_names]),
```

```
", " .join ([name + (" ", " []")[is_array] for (name, is_array) in self .out_parameter_names])
)
privileges = self .qualifiers.get ( "Privileges" , [])
if privileges:
doc += " | Needs: " + ", " .join (privileges)
self .__doc__ = doc
except pywintypes.com_error:
handle_com_error ()
```

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Example 106

Project: WAPT
Source File: network_manager.py
View license

```
def register( self ):
pythoncom.CoInitialize()
manager_interface = pythoncom.WrapObject( self )
event_system = Dispatch(PROGID_EventSystem)
for current_event in SUBSCRIPTIONS:
event_subscription = Dispatch(PROGID_EventSubscription)
event_subscription.EventClassId = SENSGUID_EVENTCLASS_NETWORK
event_subscription.PublisherID = SENSGUID_PUBLISHER
event_subscription.SubscriptionID = current_event[ 0 ]
event_subscription.SubscriptionName = current_event[ 1 ]
event_subscription.MethodName = current_event[ 2 ]
event_subscription.SubscriberInterface = manager_interface
event_subscription.PerUser = True
try :
event_system.Store(PROGID_EventSubscription,
event_subscription)
except pythoncom.com_error as e:
service_logger.error(
'Error registering to event %s' , current_event[ 1 ])
```

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Example 107

Project: WAPT
Source File: network_monitor.py

View license

```
def register( self ):
pythoncom.CoInitialize()
manager_interface = pythoncom.WrapObject( self )
event_system = Dispatch(PROGID_EventSystem)
for current_event in SUBSCRIPTIONS:
event_subscription = Dispatch(PROGID_EventSubscription)
event_subscription.EventClassId = SENSGUID_EVENTCLASS_NETWORK
event_subscription.PublisherID = SENSGUID_PUBLISHER
event_subscription.SubscriptionID = current_event[ 0 ]
event_subscription.SubscriptionName = current_event[ 1 ]
event_subscription.MethodName = current_event[ 2 ]
event_subscription.SubscriberInterface = manager_interface
event_subscription.PerUser = True
try :
event_system.Store(PROGID_EventSubscription,
event_subscription)
except pythoncom.com_error as e:
service_logger.error(
'Error registering to event %s' , current_event[ 1 ])
pythoncom.PumpMessages()
```

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Example 108

Project: TrustRouter
Source File: dynamic.py
View license

```
def _make_method_( self , name):
"Make a method object - Assumes in olerepr funcmap"
methodName = build.MakePublicAttributeName(name)
methodCodeList =
self ._olerepr_.MakeFuncMethod( self ._olerepr_.mapFuncs[name], methodName, 0 )
methodCode = "\n" .join(methodCodeList)
try :
codeObject = compile (methodCode, "<COMObject %s>" %
self ._username_, "exec" )
tempNameSpace = {}
globNameSpace = globals ().copy()
globNameSpace[ "Dispatch" ] = win32com.client.Dispatch
exec (codeObject, globNameSpace, tempNameSpace)
name = methodName
fn = self ._builtMethods_[name] = tempNameSpace[name]
newMeth = MakeMethod(fn, self , self .__class__)
return newMeth
except :
debug_print( "Error building OLE definition for code " , methodCode)
traceback.print_exc()
return None
```

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Example 109

Project: TrustRouter
Source File: makepy.py
View license

```
def GetTypeLibsForSpec(arg):
typelibs = []
try :
try :
tlb = pythoncom.LoadTypeLib(arg)
spec = selecttlb.TypelibSpec( None , 0 , 0 , 0 )
spec.FromTypelib(tlb, arg)
typelibs.append((tlb, spec))
except pythoncom.com_error:
tlbs = selecttlb.FindTlbsWithDescription(arg)
if len (tlbs) = = 0 :
try :
ob = Dispatch(arg)
tlb, index = ob._oleobj_.GetTypeInfo().GetContainingTypeLib()
spec = selecttlb.TypelibSpec( None , 0 , 0 , 0 )
spec.FromTypelib(tlb)
tlbs.append(spec)
except pythoncom.com_error:
pass
if len (tlbs) = = 0 :
print ( "Could not locate a type library matching '%s'" % (arg))
for spec in tlbs:
if spec.dll is None :
tlb = pythoncom.LoadRegTypeLib(spec.clsid, spec.major, spec.minor,
spec.lcid)
else :
tlb = pythoncom.LoadTypeLib(spec.dll)
attr = tlb.GetLibAttr()
spec.major = attr[ 3 ]
spec.minor = attr[ 4 ]
spec.lcid = attr[ 1 ]
typelibs.append((tlb, spec))
return typelibs
except pythoncom.com_error:
t,v,tb = sys.exc_info()
```

```
sys.stderr.write ( "Unable to load type library from '%s' - %s\n" % (arg, v))
tb = None
sys.exit( 1 )
```

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Example 110

Project: TrustRouter
Source File: errorSemantics.py
View license

```
def test():
com_server = wrap(TestServer(), pythoncom.IID_IStream)
try :
com_server.Clone()
raise error( "Expecting this call to fail!" )
except pythoncom.com_error as com_exc:
if com_exc.hresult != winerror.E_UNEXPECTED:
raise error( "Calling the object natively did not yield the correct scode" , com_exc)
exc = com_exc.excepinfo
if not exc or exc[ - 1 ] != winerror.E_UNEXPECTED:
raise error( "The scode element of the exception tuple did not yield the correct scode" , com_exc)
if exc[ 2 ] != "Not today" :
```

```
raise error( "The description in the exception tuple did not yield the correct string" , com_exc)

cap = CaptureWriter()

try :

cap.capture()

try :

com_server.Commit( 0 )

finally :

cap.release()

raise error( "Expecting this call to fail!" )

except pythoncom.com_error as com_exc:

if com_exc.hresult != winerror.E_FAIL:

raise error( "The hresult was not E_FAIL for an internal error" , com_exc)

if com_exc.excepinfo[ 1 ] != "Python COM Server Internal Error" :

raise error( "The description in the exception tuple did not yield the correct string" , com_exc)

if cap.get_captured().find( "Traceback" )< 0 :

raise error( "Could not find a traceback in stderr: %r" % (cap.get_captured(),))

com_server = Dispatch(wrap(TestServer()))

try :

com_server.Clone()

raise error( "Expecting this call to fail!" )

except pythoncom.com_error as com_exc:

if com_exc.hresult != winerror.DISP_E_EXCEPTION:

raise error( "Calling the object via IDispatch did not yield the correct scode" , com_exc)

exc = com_exc.excepinfo

if not exc or exc[ -1 ] != winerror.E_UNEXPECTED:

raise error( "The scode element of the exception tuple did not yield the correct scode" , com_exc)

if exc[ 2 ] != "Not today" :

raise error( "The description in the exception tuple did not yield the correct string" , com_exc)

cap.clear()

try :

cap.capture()
```

```
try :
com_server.Commit( 0 )
finally :
cap.release()
raise error( "Expecting this call to fail!" )
except pythoncom.com_error as com_exc:
if com_exc.hresult != winerror.DISP_E_EXCEPTION:
raise error( "Calling the object via IDispatch did not yield the correct scode" , com_exc)
exc = com_exc.excepinfo
if not exc or exc[ -1 ] != winerror.E_FAIL:
raise error( "The scode element of the exception tuple did not yield the correct scode" , com_exc)
if exc[ 1 ] != "Python COM Server Internal Error" :
raise error( "The description in the exception tuple did not yield the correct string" , com_exc)
if cap.get_captured().find( "Traceback" )< 0 :
raise error( "Could not find a traceback in stderr: %r" % (cap.get_captured(),))


```

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Example 111

Project: TrustRouter
Source File: errorSemantics.py
View license

```
def testLogger():
assert not hasattr (win32com, "logger" )
handler = TestLogHandler()
formatter = logging.Formatter( '%(message)s' )
handler.setFormatter(formatter)
log = logging.getLogger( "win32com_test" )
log.addHandler(handler)
win32com.logger = log
com_server = wrap(TestServer(), pythoncom.IID_IStream)
try :
com_server.Commit( 0 )
raise RuntimeError( "should have failed" )
except pythoncom.error:
pass
assert handler.num_emits = = 1 , handler.num_emits
handler.num_emits = 0
com_server = Dispatch(wrap(TestServer()))
try :
com_server.Commit( 0 )
raise RuntimeError( "should have failed" )
except pythoncom.error:
pass
assert handler.num_emits = = 1 , handler.num_emits
```

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Example 112

Project: TrustRouter
Source File: testAccess.py
View license

```
def CreateTestAccessDatabase(dbname = None ):
```

```
if dbname is None :
dbname = os.path.join( win32api.GetTempPath(), "COMTestSuiteTempDatabase.mdb" )
access = Dispatch( "Access.Application" )
dbEngine = access.DBEngine
workspace = dbEngine.Workspaces( 0 )
try :
os.unlink(dbname)
except os.error:
print ( "WARNING - Unable to delete old test database - expect a COM exception RSN!" )
newdb = workspace.CreateDatabase( dbname, constants.dbLangGeneral, constants.dbEncrypt )
table = newdb.CreateTableDef( "Test Table 1" )
table.Fields.Append( table.CreateField( "First Name" , constants.dbText ) )
table.Fields.Append( table.CreateField( "Last Name" , constants.dbText ) )
index = table.CreateIndex( "UniqueIndex" )
index.Fields.Append( index.CreateField( "First Name" ) )
index.Fields.Append( index.CreateField( "Last Name" ) )
index.Unique = - 1
table.Indexes.Append(index)
newdb.TableDefs.Append( table )
table = newdb.CreateTableDef( "Test Table 2" )
table.Fields.Append( table.CreateField( "First Name" , constants.dbText ) )
table.Fields.Append( table.CreateField( "Last Name" , constants.dbText ) )
newdb.TableDefs.Append( table )
relation = newdb.CreateRelation( "TestRelationship" )
relation.Table = "Test Table 1"
relation.ForeignTable = "Test Table 2"
field = relation.CreateField( "First Name" )
field.ForeignName = "First Name"
relation.Fields.Append( field )
field = relation.CreateField( "Last Name" )
field.ForeignName = "Last Name"
relation.Fields.Append( field )
relation.Attributes = constants.dbRelationDeleteCascade + constants.dbRelationUpdateCascade
```

```
newdb.Relations.Append(relation)
tab1 = newdb.OpenRecordset( "Test Table 1" )
tab1.AddNew()
tab1.Fields( "First Name" ).Value = "Mark"
tab1.Fields( "Last Name" ).Value = "Hammond"
tab1.Update()
tab1.MoveFirst()
bk = tab1.Bookmark
tab1.AddNew()
tab1.Fields( "First Name" ).Value = "Second"
tab1.Fields( "Last Name" ).Value = "Person"
tab1.Update()
tab1.MoveLast()
if tab1.Fields( "First Name" ).Value ! = "Second" :
raise RuntimeError( "Unexpected record is last - makes bookmark test
pointless!" )
tab1.Bookmark = bk
if tab1.Bookmark ! = bk:
raise RuntimeError( "The bookmark data is not the same" )
if tab1.Fields( "First Name" ).Value ! = "Mark" :
raise RuntimeError( "The bookmark did not reset the record pointer correctly" )
return dbname
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Example 113

Project: TrustRouter
Source File: testAccess.py
View license

```
def DoDumpAccessInfo(dbname):
from . import daodump
a = forms = None
try :
sys.stderr.write( "Creating Access Application...\n" )
a = Dispatch( "Access.Application" )
print ( "Opening database %s" % dbname)
a.OpenCurrentDatabase(dbname)
db = a.CurrentDb()
daodump.DumpDB(db, 1 )
forms = a.Forms
print ( "There are %d forms open." % ( len (forms)))
reports = a.Reports
print ( "There are %d reports open" %
( len (reports)))
finally :
if not a is None :
sys.stderr.write( "Closing database\n" )
try :
a.CloseCurrentDatabase()
except pythoncom.com_error:
pass
```

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Example 114

Project: TrustRouter
Source File: testCollections.py
View license

```
def MakeEmptyEnum():
o = win32com.server.util.wrap( win32com.server.util.Collection()
)
return win32com.client.Dispatch(o)

```

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Example 115

Project: TrustRouter
Source File: testDictionary.py
View license

```
def MakeTestDictionary():
return win32com.client.Dispatch( "Python.Dictionary" )
```

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Example 116

Project: TrustRouter
Source File: testExplorer.py
View license

```
def TestObjectFromWindow():
hwnd = win32gui.FindWindow( 'IEFrame' , None )
for child_class in [ 'TabWindowClass' , 'Shell DocObject View' ,
'Internet Explorer_Server' ]:
hwnd = win32gui.FindWindowEx(hwnd, 0 , child_class, None )
return
msg = win32gui.RegisterWindowMessage( "WM_HTML_GETOBJECT" )
rc, result = win32gui.SendMessageTimeout(hwnd, msg, 0 , 0 ,
win32con.SMTO_ABORTIFHUNG, 1000 )
ob = pythoncom.ObjectFromLresult(result, pythoncom.IID_IDispatch, 0 )
doc = Dispatch(ob)
for color in "red green blue orange white" .split():
doc.bgColor = color
time.sleep( 0.2 )
```

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Example 117

Project: TrustRouter
Source File: testGIT.py
View license

```
def test(fn):
print ( "The main thread is %d" % (win32api.GetCurrentThreadId()))
GIT     = CreateGIT()
interp  = win32com.client.Dispatch( "Python.Interpreter" )
cookie  = GIT.RegisterInterfaceInGlobal(interp._oleobj_,
pythoncom.IID_IDispatch)
events  = fn( 4 , cookie)
numFinished  = 0
while 1 :
try :
rc  = win32event.MsgWaitForMultipleObjects(events,  0 ,  2000 ,
win32event.QS_ALLINPUT)
if rc > = win32event.WAIT_OBJECT_0  and rc <
win32event.WAIT_OBJECT_0 + len (events):
numFinished  = numFinished  + 1
if numFinished > = len (events):
break
elif rc = = win32event.WAIT_OBJECT_0  + len (events):
pythoncom.PumpWaitingMessages()
else :
print ( "Waiting for thread to stop with interfaces=%d, gateways=%d" %
(pythoncom._GetInterfaceCount(), pythoncom._GetGatewayCount()))
except KeyboardInterrupt:
break
GIT.RevokeInterfaceFromGlobal(cookie)
del interp
del GIT
```

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Example 118

Project: TrustRouter
Source File: testMarshal.py
View license

```
def BeginThreadsSimpleMarshal( self , numThreads):
interp = win32com.client.Dispatch( "Python.Interpreter" )
events = []
threads = []
for i in range (numThreads):
hEvent = win32event.CreateEvent( None , 0 , 0 , None )
events.append(hEvent)
interpStream = pythoncom.CoMarshalInterThreadInterfaceInStream(pythoncom.IID_IDispatch,
interp._oleobj_)
t = threading.Thread(target = self ._testInterpInThread, args = (hEvent,
interpStream))
t.setDaemon( 1 )
t.start()
threads.append(t)
interp = None
return threads, events
```

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Example 119

Project: TrustRouter
Source File: testMarshal.py
View license

```
def BeginThreadsFastMarshal( self , numThreads):
interp = win32com.client.Dispatch( "Python.Interpreter" )
if freeThreaded:
interp = pythoncom.CoMarshalInterThreadInterfaceInStream(pythoncom.IID_IDispatch,
interp._oleobj_)
events = []
threads = []
for i in range (numThreads):
hEvent = win32event.CreateEvent( None , 0 , 0 , None )
t = threading.Thread(target = self ._testInterpInThread, args = (hEvent,
interp))
t.setDaemon( 1 )
t.start()
events.append(hEvent)
threads.append(t)
return threads, events
```

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Example 120

Project: TrustRouter
Source File: testPersist.py
View license

```
def test():
lbcom = win32com.server.util.wrap(LockBytes(), pythoncom.IID_ILockBytes)
stcom = pythoncom.StgCreateDocfileOnILockBytes(lbcom, storagecon.STGM_DIRECT|
storagecon.STGM_CREATE | storagecon.STGM_READWRITE |
storagecon.STGM_SHARE_EXCLUSIVE, 0 )
ocs = OleClientSite()
ocscom = win32com.server.util.wrap(ocs, axcontrol.IID_IOleClientSite)
oocom = axcontrol.OleCreate( "{00020906-0000-0000-C000-000000000046}" ,
```

```
axcontrol.IID_IOleObject,
0 ,
( 0 ,),
ocscom,
stcom,
)
mf = win32ui.GetMainFrame()
hwnd = mf.GetSafeHwnd()
oocom.SetHostNames( "OTPython" , "This is Cool" )
oocom.DoVerb( -1 , ocscom, 0 , hwnd, mf.GetWindowRect())
oocom.SetHostNames( "OTPython2" , "ThisisCool2" )
doc = win32com.client.Dispatch(oocom.QueryInterface(pythoncom.IID_IDispatch))
dpcom = oocom.QueryInterface(pythoncom.IID_IPersistStorage)
ocs.SetIPersistStorage(dpcom)
ocs.SetIStorage(stcom)
wrange = doc. Range ()
for i in range ( 10 ):
wrange.InsertAfter( "Hello from Python %d\n" % i)
paras = doc.Paragraphs
for i in range ( len (paras)):
paras[i]().Font.ColorIndex = i + 1
paras[i]().Font.Size = 12 + ( 4 * i)
dpcom.Save(stcom, 0 )
dpcom.HandsOffStorage()
lbcom.Flush()
doc.Application.Quit()
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Example 121

Project: TrustRouter
Source File: scp.py
View license

```
def ScpCreate(
service_binding_info,
service_class_name,
account_name = None ,
container_name = None ,
keywords = None ,
object_class = "serviceConnectionPoint" ,
dns_name_type = "A" ,
dn = None ,
dns_name = None ,
):
container_name = container_name or service_class_name
if not dns_name:
dns_name = win32api.GetComputerNameEx(win32con.ComputerNameDnsFullyQualified)
if dn is None :
dn = win32api.GetComputerObjectName(win32con.NameFullyQualifiedDN)
comp = adsi.ADsGetObject( "LDAP://" + dn, adsi.IID_IDirectoryObject)
keywords = keywords or []
attrs = [
( "cn" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (container_name,)),
( "objectClass" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (object_class,)),
( "keywords" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, keywords),
( "serviceDnsName" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING, (dns_name,)),
( "serviceDnsNameType" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(dns_name_type,)),
( "serviceClassName" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(service_class_name,)),
( "serviceBindingInformation" , ADS_ATTR_UPDATE, ADSTYPE_CASE_IGNORE_STRING,
(service_binding_info,)),
```

```
]
new = comp.CreateDSObject( "cn=" + container_name, attrs)
logger.info( "New connection point is at %s" , container_name)
new = Dispatch(new)
AllowAccessToScpProperties(account_name, new)
return new
```

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Example 122

Project: TrustRouter
Source File: scp.py
View license

```
def AllowAccessToScpProperties(
accountSAM,
scpObject,
schemaIDGUIDs =
( "{28630eb8-41d5-11d1-a9c1-0000f80367c1}" ,
"{b7b1311c-b82e-11d0-afee-0000f80367c1}" ,
)
):
if accountSAM:
trustee = accountSAM
else :
trustee = win32api.GetComputerObjectName(win32con.NameSamCompatible)
attribute = "nTSecurityDescriptor"
sd = getattr (scpObject, attribute)

```

```
acl = sd.DiscretionaryAcl
for sguid in schemaIDGUIDs:
ace = Dispatch(adsi.CLSID_AccessControlEntry)
ace.AccessMask = ADS_RIGHT_DS_READ_PROP | ADS_RIGHT_DS_WRITE_PROP
ace.Trustee = trustee
ace.AceType = ADS_ACETYPE_ACCESS_ALLOWED_OBJECT
ace.AceFlags = 0
ace.Flags = ADS_FLAG_OBJECT_TYPE_PRESENT
ace.ObjectType = sguid
acl.AddAce(ace)
sd.DiscretionaryAcl = acl
setattr (scpObject, attribute, sd)
scpObject.SetInfo()
logger.info( "Set security on object for account '%s'" % (trustee,))
```

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```

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Example 123

Project: TrustRouter
Source File: scriptdispatch.py
View license

```
def _dynamic_( self , name, lcid, wFlags, args):
self .engine.RegisterNewNamedItems()
self .engine.ProcessNewNamedItemsConnections()
if wFlags & pythoncom.INVOKE_FUNC:
try :
func = getattr ( self .scriptNamespace, name)
if not _is_callable(func):
raise AttributeError(name)
realArgs = []
for arg in args:
if type (arg) = = PyIDispatchType:
realArgs.append(Dispatch(arg))
else :
realArgs.append(arg)
try :
return self .engine.ApplyInScriptedSection( None , func, tuple (realArgs))
except COMException as xxx_todo_changeme:
(hr, msg, exc, arg) = xxx_todo_changeme.args
raise
except AttributeError:
```

```
if not wFlags & pythoncom.DISPATCH_PROPERTYGET:
raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
if wFlags & pythoncom.DISPATCH_PROPERTYGET:
try :
ret = getattr ( self .scriptNamespace, name)
if _is_callable(ret):
raise AttributeError(name)
except AttributeError:
raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
except COMException as instance:
raise
except :
ret = self .engine.HandleException()
return ret
raise COMException(scode = winerror.DISP_E_MEMBERNOTFOUND)
```

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Example 124

Project: xlwings
Source File: udfs.py
View license

```
def call_udf(module_name, func_name, args, this_workbook, caller):
module = get_udf_module(module_name)
func = getattr (module, func_name)
func_info = func.__xlfunc__
args_info = func_info[ 'args' ]
ret_info = func_info[ 'ret' ]
writing = func_info.get( 'writing' , None )
```

```
if writing and writing = = caller.Address:
return func_info[ 'rval' ]
output_param_indices = []
args = list (args)
for i, arg in enumerate (args):
arg_info = args_info[ min (i, len (args_info) - 1 )]
if type (arg) is int and arg = = - 2147352572 :
args[i] = arg_info.get( 'optional' , None )
elif xlplatform.is_range_instance(arg):
if arg_info.get( 'output' , False ):
output_param_indices.append(i)
args[i] = OutputParameter( Range (impl = xlplatform. Range (xl = arg)),
arg_info[ 'options' ], func, caller)
else :
args[i] = conversion.read( Range (impl = xlplatform. Range (xl = arg)),
None , arg_info[ 'options' ])
else :
args[i] = conversion.read( None , arg, arg_info[ 'options' ])
xlplatform.BOOK_CALLER = Dispatch(this_workbook)
ret = func( * args)
if ret_info[ 'options' ].get( 'expand' , None ):
from .server import add_idle_task
add_idle_task(DelayWrite( Range (impl = xlplatform. Range (xl = caller)),
ret_info[ 'options' ], ret, caller))
return conversion.write(ret, None , ret_info[ 'options' ])
```

Example 125

Project: cross3d
Source File: softimagescenecamera.py
View license

```
def createFrustrumPlane( self , name = ' ', imagePath=' ', offset = 0.0 , speed = 1.0 , distance = 1.0 , parent = None ):
    from win32com.client import Dispatch
    xsiMath = Dispatch( "XSI.Math" )
    fs = None
    if FileSequence.isValidSequencePath(imagePath):
        fs = FileSequence(imagePath)
        name = name or fs.baseName()
    else :
        name = name or os.path.splitext(os.path.basename(imagePath))[ 0 ]
    name = application.conformObjectName(name)
    anchor = xsi.ActiveSceneRoot.AddNull(name) if parent or self .isReferenced() else self ._nativePointer
    plane = xsi.CreatePrim( "Grid" , "MeshSurface" , '{}_Plane' . format (name) if parent or self .isReferenced() else name, "")
    plane.Properties( "Visibility" ).Parameters( "selectability" ).Value = False
    anchor.AddChild(plane)
    if parent:
        parent.nativePointer().addChild(anchor)
    if not anchor.isEqualTo( self ._nativePointer):
        anchor.Kinematics.AddConstraint( 'Pose' , self ._nativePointer)
    display = plane.AddProperty( "Display Property" )
    parameters = [ 'staticsel' , 'intsel' , 'playbacksel' , 'staticunselnear' , 'intunselnear' , 'staticunselfar' , 'intunselfar' , 'playbackunselfar' ]
    for parameter in parameters:
        display.Parameters(parameter).Value = 9
    transform = xsiMath.CreateTransform()
    transform.SetTranslation(xsiMath.CreateVector3( 0 , 0 , - distance))
    transform.SetRotationFromXYZAngles(xsiMath.CreateVector3(math.pi * 0.5 , 0 , math.pi))
    plane.Kinematics.Local.Transform = transform
    for parameter in [ 'subdivu' , 'subdivv' , 'ulength' , 'vlength' ]:

```

```
plane.Parameters(parameter).Value = 1
xsi.CreateProjection(plane, "siTxtPlanarXZ", "siTxtDefaultPlanarXZ", "",
" imagePath_Projection")
xsi.FreezeObj(plane)
expression = 'tan(%s.camera.fov * 0.5) * %s.kine.local.posz * 2' %
( self.name(), plane.FullName)
plane.sclx.AddExpression(expression)
expression = '%s / %s.camera.aspect' % (expression, self.name())
plane.sclz.AddExpression(expression)
for parameter in ['posx', 'posy', 'rotx', 'roty', 'rotz', 'sclx',
'scly', 'sclz']:
parameter = plane.Parameters(parameter)
parameter.Keyable = False
parameter.ReadOnly = True
if not imagePath:
return True
clip = self.setFrustrumPlaneImagePath(name, imagePath, offset, speed)
header = 'Sources.Materials.DefaultLib'
material = xsi.Dictionary.GetObject('%s.%s' % (header, name), False)
if not material:
preset = '$XSI_DSPRESETS\\Shaders\\Material\\Constant.Preset'
material = xsi.Dictionary.GetObject(header).CreateMaterial(preset,
'Constant')
material.Name = name
xsi.SIApplyShaderToCnxPoint("Image", "%s.Constant.color" %
material.FullName)
xsi.SIConnectShaderToCnxPoint(clip.FullName, "%s.Image.tex" %
material.FullName)
if os.path.splitext(imagePath)[1] in ['.png', '.tga', '.exr',
'.tif', '.tiff']:
xsi.SIConnectShaderToCnxPoint("%s.Image.out" % material.FullName,
"%s.Constant.transparency" % material.FullName, False)
xsi.SetValue("%s.Constant.usealphatrans" % material.FullName, True)
xsi.SetValue("%s.Constant.inverttrans" % material.FullName, True)
if material:
xsi.AssignMaterial(',' .join([material.FullName, plane.FullName]))
return True
```

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```

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Example 126

Project: FriendlyTorrent
Source File: natpunch.py
View license

```
def _get_services( self ):
if not self .services or self .last_got_services + EXPIRE_CACHE <
clock():
self .services = []
try :
f = win32com.client.Dispatch( "UPnP.UPnPDeviceFinder" )
for t in ( "urn:schemas-upnp-org:service:WANIPConnection:1" ,
"urn:schemas-upnp-org:service:WANPPPConnection:1" ):
try :
conns = f.FindByType(t, 0 )
for c in xrange ( len (conns)):
try :
svcs = conns[c].Services
for s in xrange ( len (svcs)):
try :
self .services.append(svcs[s])
except :
pass
except :
pass
except :
pass
except :
pass
self .last_got_services = clock()
return self .services
```

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Example 127

Project: dd-agent
Source File: sampler.py
View license

```
def get_connection( self ):
self .logger.debug(
u "Connecting to WMI server "
u "(host={host}, namespace={namespace}, provider={provider}, username=
{username})."
. format (
host = self .host, namespace = self .namespace,
provider = self .provider, username = self .username
)
)
additional_args = []
pythoncom.CoInitialize()
if self .provider ! = ProviderArchitecture.DEFAULT:
context = Dispatch( "WbemScripting.SWbemNamedValueSet" )
context.Add( "__ProviderArchitecture" , self .provider)
additional_args = [ None , "", 128 , context]
locator = Dispatch( "WbemScripting.SWbemLocator" )
connection = locator.ConnectServer(
self .host, self .namespace, self .username, self .password,
* additional_args
)
return connection
```

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Example 128

Project: pycel
Source File: excelwrapper.py
View license

```
def connect( self ):
if not self .app:
self .app = Dispatch( "Excel.Application" )
self .app.Visible = True
self .app.DisplayAlerts = 0
self .app.Workbooks. Open ( self .filename)
self ._rangednames = np.zeros(shape =
( int ( self .app.ActiveWorkbook.Names.Count), 1 ), dtype = [( 'id' ,
'int_' ), ( 'name' , 'S200' ), ( 'formula' , 'S200' )])
for i in range ( 0 , self .app.ActiveWorkbook.Names.Count):
self ._rangednames[i][ 'id' ] = int (i + 1 )
self ._rangednames[i][ 'name' ] =
str ( self .app.ActiveWorkbook.Names.Item(i + 1 ).Name)
self ._rangednames[i][ 'formula' ] =
str ( self .app.ActiveWorkbook.Names.Item(i + 1 ).Value)
```

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Example 129

Project: emesene
Source File: NetworkManagerHelperWin32.py
View license

```
def register( self ):
pythoncom.CoInitialize()
manager_interface = pythoncom.WrapObject( self )
event_system = Dispatch(PROGID_EventSystem)
for current_event in SUBSCRIPTIONS:
event_subscription = Dispatch(PROGID_EventSubscription)
event_subscription.EventClassId = SENSGUID_EVENTCLASS_NETWORK
event_subscription.PublisherID = SENSGUID_PUBLISHER
event_subscription.SubscriptionID = current_event[ 0 ]
event_subscription.SubscriptionName = current_event[ 1 ]
event_subscription.MethodName = current_event[ 2 ]
event_subscription.SubscriberInterface = manager_interface
event_subscription.PerUser = True
try :
event_system.Store(PROGID_EventSubscription,
event_subscription)
except pythoncom.com_error as e:
logging.error(
'Error registering %s to event %s' , e, current_event[ 1 ])
pythoncom.PumpMessages()
```

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Example 130

Project: comtypes

Source File: test_comserver.py
View license

```
def create_object( self ):
return Dispatch( "TestComServerLib.TestComServer" )
```

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Example 131

Project: comtypes
Source File: test_comserver.py
View license

```
def create_object( self ):
return Dispatch( "TestComServerLib.TestComServer" , clsctx = comtypes.CLSCTX_LOCAL_SERVER)
```

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Example 132

Project: comtypes
Source File: test_win32com_interop.py
View license

```
def test_mycomobject( self ):
o = MyComObject()
p = comtypes2pywin(o, IDispatch)
disp = win32com.client.Dispatch(p)
self .failUnlessEqual( repr (disp), "<COMObject <unknown>>" )
```

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Example 133

Project: comtypes
Source File: test_win32com_interop.py
View license

```
def test_ie( self ):
ie = self .ie = CreateObject( "InternetExplorer.Application" )
self .failUnlessEqual(comtypes_get_refcount(ie), 1 )
self .failUnlessEqual(ie.Visible, False )
p = comtypes2pywin(ie, interface = IDispatch)
self .failUnlessEqual(comtypes_get_refcount(ie), 2 )
disp = win32com.client.Dispatch(p)
self .failUnlessEqual(comtypes_get_refcount(ie), 2 )
self .failUnlessEqual(disp.Visible, False )
del p, disp
self .failUnlessEqual(comtypes_get_refcount(ie), 1 )
```

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Example 134

Project: EventGhost
Source File: __init__.py
View license

```
def __start__( self , hostname, username, password):
self .hsi = Dispatch( "HomeSeer2.application" )
self .connected = False
self .hostname = hostname
self .username = username
self .password = password
print "Trying to connect to Homeseer-host " + self .hostname + " using user "
+ self .username + "."
self .hsi.SetHost( self .hostname)
rval = self .hsi.Connect( self .username, self .password)
if rval = = "":
print "Successfully connected to Homeseer " + self .hostname + " using user "
+ self .username + "."
self .connected = True
else :
print "Error: " + rval
self .hsi.Disconnect
self .connected = False
if self .connected:
self .hs = Dispatch( "homeseer.application" )

```

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Example 135

Project: EventGhost
Source File: __init__.py
View license

```
def run( self ):
try :
pythoncom.CoInitializeEx(pythoncom.COINIT_MULTITHREADED)
tts = Dispatch( 'SAPI.SpVoice' )
except :
self .plugin.PrintError( self .plugin.text.errorCreate)
return
vcs = tts.GetVoices()
voices = [(voice.GetDescription(), voice) for voice in vcs]
tmp = [item[ 0 ] for item in voices]
ix = tmp.index( self .voiceName) if self .voiceName in tmp else 0
tts.Voice = voices[ix][ 1 ]
devs = tts.GetAudioOutputs()
devices = [(dev.GetDescription(), dev) for dev in devs]
tmp = [item[ 0 ] for item in devices]
ix = tmp.index( self .device) if self .device in tmp else 0
tts.AudioOutput = devices[ix][ 1 ]
tts.Rate = self .rate
tts.Volume = self .volume
tts.Speak( self .text, 0 )
suffix = self .plugin.text.suffix if self .suff = = " " else " % s. % s" % (
self .plugin.text.suffix,
self .suff
)
self .plugin.TriggerEvent(suffix)
```

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Example 136

Project: EventGhost
Source File: __init__.py
View license

```
def Configure(
self ,
voiceName = None ,
rate = 0 ,
voiceText = "",
suff = "",
volume = 100 ,
device = None
):
suff = suff if suff != 0 else ""
text = self .text
panel = eg.ConfigPanel()
plugin = self .plugin
textCtrl = wx.TextCtrl(panel, - 1 , voiceText)
suffCtrl = wx.TextCtrl(panel, - 1 , suff)
insertTimeButton = wx.Button(panel, - 1 , text.buttonInsertTime)
def OnButton(event):
textCtrl.WriteText( '{TIME}' )
textCtrl.SetFocus()
insertTimeButton.Bind(wx.EVT_BUTTON, OnButton)
insertTimeButton1 = wx.Button(panel, - 1 , text.buttonInsertTime1)
def OnButton(event):
textCtrl.WriteText( '{TIME1}' )
textCtrl.SetFocus()
insertTimeButton1.Bind(wx.EVT_BUTTON, OnButton)
insertDateButton = wx.Button(panel, - 1 , text.buttonInsertDate)
def OnButton(event):
textCtrl.WriteText( '{DATE}' )
textCtrl.SetFocus()
insertDateButton.Bind(wx.EVT_BUTTON, OnButton)
insertDateButton1 = wx.Button(panel, - 1 , text.buttonInsertDate1)
def OnButton(event):
textCtrl.WriteText( '{DATE1}' )
textCtrl.SetFocus()
insertDateButton1.Bind(wx.EVT_BUTTON, OnButton)
```

```
try :
VoiceObj = Dispatch( "Sapi.SpVoice" )
except :
self .PrintError( self .text.errorCreate)
return
voices = [voice.GetDescription() for voice in VoiceObj.GetVoices()]
devs = [dev.GetDescription() for dev in VoiceObj.GetAudioOutputs()]
del VoiceObj
voiceChoice = wx.Choice(panel, - 1 , choices = voices)
voiceName = voiceName if voiceName else voices[ 0 ]
voiceChoice.SetStringSelection(voiceName)
devChoice = wx.Choice(panel, - 1 , choices = devs)
devName = device if device else devs[ 0 ]
devChoice.SetStringSelection(devName)
rateCtrl = CustomSlider(
panel,
value = int (rate),
valueLabel = text.normal,
minValue = - 5 ,
minLabel = text.slow,
maxValue = 5 ,
maxLabel = text.fast,
style = wx.SL_AUTOTICKS|wx.SL_TOP
)
volumeCtrl = CustomSlider(
panel,
value = volume,
valueLabel = "%(1)i %%" ,
minValue = 0 ,
minLabel = text.silent,
maxValue = 100 ,
maxLabel = text.loud,
style = wx.SL_AUTOTICKS|wx.SL_TOP
)
```

```
volumeCtrl.slider.SetTickFreq( 10 , 3 )
sizer1 = eg.HBoxSizer(
(textCtrl, 1 , wx.EXPAND)
)
sizer2 = eg.HBoxSizer(
(insertTimeButton),
(insertTimeButton1, 0 , wx.ALIGN_LEFT, 3 ),
(( 10 , 5 ), 0 ),
(insertDateButton, 0 , wx.ALIGN_RIGHT, 3 ),
(insertDateButton1, 0 , wx.ALIGN_RIGHT)
)
staticBoxSizer1 = panel.VStaticBoxSizer(
text.textBoxLabel,
(sizer1, 0 , wx.EXPAND|wx. ALL , 5 ),
(sizer2, 0 , wx.EXPAND|wx. ALL , 5 ),
)
ACV = wx.ALIGN_CENTER_VERTICAL
sizer3 = wx.FlexGridSizer( 4 , 2 , 5 , 5 )
sizer3.AddGrowableCol( 1 , 1 )
sizer3.AddMany(
(
(panel.StaticText(text.labelVoice), 0 , ACV|wx.BOTTOM, 10 ),
(voiceChoice, 0 , wx.EXPAND|wx.BOTTOM, 10 ),
(panel.StaticText(text.device), 0 , ACV|wx.BOTTOM, 10 ),
(devChoice, 0 , wx.EXPAND|wx.BOTTOM, 10 ),
(panel.StaticText(text.labelRate), 0 , ACV),
(rateCtrl, 0 , wx.EXPAND),
(panel.StaticText(text.labelVolume), 0 , ACV),
(volumeCtrl, 0 , wx.EXPAND),
(panel.StaticText(text.addSuffix), 0 , ACV),
(suffCtrl, 0 , wx.EXPAND)
)
)
staticBoxSizer2 = panel.VStaticBoxSizer(
text.voiceProperties,
(sizer3, 0 , wx.EXPAND|wx. ALL , 5 ),
```

```
)
panel.sizer.Add(staticBoxSizer1, 0, wx.EXPAND)
panel.sizer.Add(staticBoxSizer2, 0, wx.EXPAND|wx.TOP, 10)
while panel.Affirmed():
panel.SetResult(
voiceChoice.GetStringSelection(),
rateCtrl.GetValue(),
textCtrl.GetValue(),
suffCtrl.GetValue(),
volumeCtrl.GetValue(),
devChoice.GetStringSelection()
)
```

```
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```

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Example 137

Project: EventGhost
Source File: __init__.py
View license

```
def __start__( self ):
try :
self .comObj = GetActiveObject(YARD_CLSID)
except com_error:
self .StartYardServer()
try :
self .comObj = GetActiveObject(YARD_CLSID)
except :
raise
if self .comObj:
self .comObj = Dispatch(YARD_CLSID)
class SubEventHandler(EventHandler):
plugin = self
TriggerEvent = self .TriggerEvent
self .workerThread = YardWorkerThread( self ,
SubEventHandler)
try :
self .workerThread.Start( 60.0 )
except :
self .workerThread = None
raise self .Exception( self .text.errorMesg )
self .isEnabled = True
```

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Example 138

Project: EventGhost
Source File: __init__.py
View license

```
def Configure( self , remoteName = None , keyName = None ,
numRepeats = None ):
panel = eg.ConfigPanel()
remoteName = remoteName or self .remoteName or ""
```

```
keyName = keyName or self.keyName or ""
numRepeats = numRepeats or self.numRepeats or 1
mySizer = wx.FlexGridSizer( 3, 2, 5, 5 )
st1 = wx.StaticText(panel, -1, "Fernbedienung" )
mySizer.Add(st1, 0, wx.ALIGN_CENTER_VERTICAL)
rchoices = []
kchoices = []
foundRemoteIndex = 0
comObj = None
try:
comObj = Dispatch(YARD_CLSID)
except:
pass
else:
remotes = comObj.GetRemotes()
for i in xrange( len(remotes)):
rName = remotes.Item(i).Name
rchoices.append(rName)
if rName == remoteName:
foundRemoteIndex = i
remoteCtrl = wx.Choice(panel, -1, choices = rchoices)
mySizer.Add(remoteCtrl, 1, wx.EXPAND)
st2 = wx.StaticText(panel, -1, "Name der Taste" )
mySizer.Add(st2, 0, wx.ALIGN_CENTER_VERTICAL)
keyCtrl = wx.Choice(panel, -1, choices = kchoices)
mySizer.Add(keyCtrl, 1, wx.EXPAND)
def UpdateKeys(event = None):
foundKeyIndex = 0
remoteIndex = remoteCtrl.GetSelection()
remote = remotes.Item(remoteIndex)
keyCtrl.Clear()
for i in xrange(remote.count):
key = remote.Keys(i).Name
keyCtrl.Append(key)
```

```
if key == keyName:
foundKeyIndex = i
keyCtrl.Select(foundKeyIndex)
remoteCtrl.Bind(wx.EVT_CHOICE, UpdateKeys)
remoteCtrl.Select(foundRemoteIndex)
if comObj:
UpdateKeys()
st3 = wx.StaticText(panel, -1, "Anzahl der Wiederholungen")
mySizer.Add(st3, 0, wx.ALIGN_CENTER_VERTICAL)
numRepeatsCtrl = eg.SpinIntCtrl(panel, value = numRepeats, min = 1)
mySizer.Add(numRepeatsCtrl)
panel.sizer.Add(mySizer, 1, wx.EXPAND)
while panel.Affirmed():
self.remoteName = remoteCtrl.GetStringSelection()
self.keyName = keyCtrl.GetStringSelection()
self.numRepeats = numRepeatsCtrl.GetValue()
panel.SetResult(self.remoteName, self.keyName, self.numRepeats)
```

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Example 139

Project: p2ptv-pi
Source File: natpunch.py
View license

```
def _get_services( self ):
if not self .services or self .last_got_services + EXPIRE_CACHE < clock():
self .services = []
try :
f = win32com.client.Dispatch( 'UPnP.UPnPDeviceFinder' )
for t in ( 'urn:schemas-upnp-org:service:WANIPConnection:1' , 'urn:schemas-upnp-org:service:WANPPPConnection:1' ):
try :
conns = f.FindByType(t, 0 )
for c in xrange ( len (conns)):
try :
svcs = conns[c].Services
for s in xrange ( len (svcs)):
try :
self .services.append(svcs[s])
except :
if DEBUG:
print_exc()
except :
if DEBUG:
print_exc()
except :
if DEBUG:
print_exc()
except :
if DEBUG:
print_exc()
self .last_got_services = clock()
return self .services
```

Example 140

Project: gns3-server
Source File: interfaces.py
View license

```
def get_windows_interfaces():
import win32com.client
import pywintypes
interfaces = []
try :
locator = win32com.client.Dispatch( "WbemScripting.SWbemLocator" )
service = locator.ConnectServer( "." , "root\cimv2" )
for adapter in service.InstancesOf( "Win32_NetworkAdapter" ):
if adapter.NetConnectionStatus = = 2 or adapter.NetConnectionStatus = = 7 :
ip_address = ""
for network_config in
service.InstancesOf( "Win32_NetworkAdapterConfiguration" ):
if network_config.InterfaceIndex = = adapter.InterfaceIndex:
if network_config.IPAddress:
ip_address = network_config.IPAddress[ 0 ]
break
npf_interface = "\\Device\\NPF_{guid}" . format (guid = adapter.GUID)
interfaces.append({ "id" : npf_interface,
"name" : adapter.NetConnectionID,
"ip_address" : ip_address,
"mac_address" : adapter.MACAddress,
"netcard" : adapter.name})
except (AttributeError, pywintypes.com_error):
log.warn( "Could not use the COM service to retrieve interface info, trying using
the registry..." )
return _get_windows_interfaces_from_registry()
return interfaces
```

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```

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Example 141

Project: Metadator
Source File: md2docx.py
View license

```
def __init__( self , html_input, dest):
u
today = strftime( "%Y-%m-%d" )
output = path.abspath(html_input[: - 5 ] + '.doc' )
outputx = path.abspath(html_input[: - 5 ] + '.docx' )
output_alt = path.abspath(html_input[: - 5 ] + '_%s.doc' % today)
word = Dispatch( 'Word.Application' )
word.Visible = False
doc = word.Documents.Add()
sec = doc.Sections.Item( 1 )
bdp = sec.Footers.Item( 1 )
bdp.PageNumbers.Add()
rng = doc. Range ()
rng.Paragraphs.Add()
rng.Collapse( 1 )
rng.InsertFile(html_input)
if not path.isfile(output) and not path.isfile(outputx):
doc.SaveAs(output, FileFormat = 0 )
else :
doc.SaveAs(output_alt, FileFormat = 0 )
try :
doc.Convert()
except :
```

```
    None
    doc.Close()
    word.Quit()
```

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Example 142

Project: libMA
Source File: bluestack.click.py
View license

```
def send(text):
    shell = win32com.client.Dispatch( "WScript.Shell" )
    shell.SendKeys(text)
```

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Example 143

Project: Camelot
Source File: word.py
View license

```
def open_document_in_word(filename):
import sys
if 'win' in sys.platform:
import pythoncom
import win32com.client
pythoncom.CoInitialize()
try :
word_app = win32com.client.Dispatch( "Word.Application" )
except Exception, e:
logger.info( 'Unable to open word' , exc_info = e)
return ( None , None )
word_app.Visible = True
doc = word_app.Documents. Open (filename)
doc.Activate()
word_app.Activate()
return word_app, doc
else :
from PyQt4 import QtGui, QtCore
QtGui.QDesktopServices.openUrl(QtCore.QUrl( 'file://%s' % filename))
return ( None , None )
```

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Example 144

Project: Camelot
Source File: word.py
View license

```
def open_document_in_word(filename):
import sys
if 'win' in sys.platform:
import pythoncom
import win32com.client
pythoncom.CoInitialize()
try :
word_app = win32com.client.Dispatch( "Word.Application" )
except Exception, e:
logger.info( 'Unable to open word' , exc_info = e)
return ( None , None )
word_app.Visible = True
doc = word_app.Documents. Open (filename)
doc.Activate()
word_app.Activate()
return word_app, doc
else :
from PyQt4 import QtGui, QtCore
QtGui.QDesktopServices.openUrl(QtCore.QUrl( 'file://%s' % filename))
return ( None , None )
```

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Example 145

Project: sIBL_GUI
Source File: loader_script.py
View license

```
@foundations .exceptions.handle_exceptions(umbra.exceptions.notify_exception_handler,
```

```
2  sibl_gui.exceptions.SocketConnectionError,
3  sibl_gui.exceptions.Win32OLEServerConnectionError)
4  def send_loader_script_to_software( self , template, loader_script_path):
5  LOGGER.info( "{0} | Starting remote
   connection!" . format ( self .__class__.__name__))
6  template_sections_file_parser = foundations.parsers.SectionsFileParser(template.path)
7  template_sections_file_parser.parse(raw_sections = ( self .__template_script_section))
8  connection_type = foundations.parsers.get_attribute_compound( "ConnectionType" ,
9  template_sections_file_parser.get_value(
10 "ConnectionType" ,
11 self .__template_remote_connection_section))
12 if connection_type.value = = "Socket" :
13 try :
14 connection = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
15 connection.settimeout( 2.5 )
16 connection.connect(
17 (foundations.strings.to_string( self .__tcp_client_ui.address),
   self .__tcp_client_ui.port))
18 socket_command = foundations.parsers.get_attribute_compound( "ExecutionCommand" ,
19 template_sections_file_parser.get_value(
20 "ExecutionCommand" ,
21 self .__template_remote_connection_section)).value.replace(
22 "$loader_script_path" ,
23 loader_script_path)
24 LOGGER.debug( "> Current socket command: '%s'." , socket_command)
25 connection.send(socket_command)
26 self .__engine.notifications_manager.notify(
27 "{0} | Socket connection command dispatched!" . format ( self .__class__.__name__))
28 dataBack = connection.recv( 4096 )
29 LOGGER.debug( "> Received from connection: '{0}'." . format (dataBack))
30 connection.close()
31 LOGGER.info( "{0} | Closing remote connection!" . format ( self .__class__.__name__))
32 except socket.timeout as error:
   LOGGER.info( "{0} | Closing remote connection on
   timeout!" . format ( self .__class__.__name__))
33 except Exception as error:
34 raise sibl_gui.exceptions.SocketConnectionError(
```

```
"{0} | Socket connection error: '{1}'!" . format ( self .__class__.__name__,
foundations.strings.to_string(error)))
elif connection_type.value == "Win32" :
if platform.system() == "Windows" or platform.system() == "Microsoft" :
try :
import win32com.client
connection = win32com.client.Dispatch(
foundations.parsers.get_attribute_compound( "TargetApplication" ,
template_sections_file_parser.get_value(
"TargetApplication" ,
self .__template_remote_connection_section)).value)
connection._FlagAsMethod( self .__win32_execution_method)
connection_command =
foundations.parsers.get_attribute_compound( "ExecutionCommand" ,
template_sections_file_parser.get_value(
"ExecutionCommand" ,
self .__template_remote_connection_section)).value.replace(
"$loader_script_path" ,
loader_script_path)
LOGGER.debug( "> Current connection command: '%s'." , connection_command)
getattr (connection, self .__win32_execution_method)(connection_command)
self .__engine.notifications_manager.notify(
"{0} | Win32 connection command dispatched!" . format ( self .__class__.__name__))
except Exception as error:
raise sibl_gui.exceptions.Win32OLEServerConnectionError(
"{0} | Win32 OLE server connection error:
'{1}'!" . format ( self .__class__.__name__,
foundations.strings.to_string(error)))
return True
```

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```

Example 146

Project: sIBL_GUI
Source File: loader_script.py
View license

```
1  @foundations .exceptions.handle_exceptions(umbra.exceptions.notify_exception_handler,
2  sibl_gui.exceptions.SocketConnectionError,
3  sibl_gui.exceptions.Win32OLEServerConnectionError)
4  def send_loader_script_to_software( self , template, loader_script_path):
5  LOGGER.info( "{0} | Starting remote
   connection!" . format ( self .__class__.__name__))
6  template_sections_file_parser = foundations.parsers.SectionsFileParser(template.path)
7  template_sections_file_parser.parse(raw_sections = ( self .__template_script_section))
8  connection_type = foundations.parsers.get_attribute_compound( "ConnectionType" ,
9  template_sections_file_parser.get_value(
10 "ConnectionType" ,
11 self .__template_remote_connection_section))
12 if connection_type.value = = "Socket" :
13 try :
14 connection = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
15 connection.settimeout( 2.5 )
16 connection.connect(
17 (foundations.strings.to_string( self .__tcp_client_ui.address),
   self .__tcp_client_ui.port))
18 socket_command = foundations.parsers.get_attribute_compound( "ExecutionCommand" ,
19 template_sections_file_parser.get_value(
20 "ExecutionCommand" ,
21 self .__template_remote_connection_section)).value.replace(
   "$loader_script_path" ,
```

```
loader_script_path)
LOGGER.debug( "> Current socket command: '%s'." , socket_command)
connection.send(socket_command)
self .__engine.notifications_manager.notify(
"{0} | Socket connection command dispatched!" . format ( self .__class__.__name__))
dataBack = connection.recv( 4096 )
LOGGER.debug( "> Received from connection: '{0}'." . format (dataBack))
connection.close()
LOGGER.info( "{0} | Closing remote connection!" . format ( self .__class__.__name__))
except socket.timeout as error:
LOGGER.info( "{0} | Closing remote connection on
timeout!" . format ( self .__class__.__name__))
except Exception as error:
raise sibl_gui.exceptions.SocketConnectionError(
"{0} | Socket connection error: '{1}'!" . format ( self .__class__.__name__,
foundations.strings.to_string(error)))
elif connection_type.value = = "Win32" :
if platform.system() = = "Windows" or platform.system() = = "Microsoft" :
try :
import win32com.client
connection = win32com.client.Dispatch(
foundations.parsers.get_attribute_compound( "TargetApplication" ,
template_sections_file_parser.get_value(
"TargetApplication" ,
self .__template_remote_connection_section)).value)
connection._FlagAsMethod( self .__win32_execution_method)
connection_command =
foundations.parsers.get_attribute_compound( "ExecutionCommand" ,
template_sections_file_parser.get_value(
"ExecutionCommand" ,
self .__template_remote_connection_section)).value.replace(
"$loader_script_path" ,
loader_script_path)
LOGGER.debug( "> Current connection command: '%s'." , connection_command)
getattr (connection, self .__win32_execution_method)(connection_command)
self .__engine.notifications_manager.notify(
"{0} | Win32 connection command dispatched!" . format ( self .__class__.__name__))
```

```
except Exception as error:
raise sibl_gui.exceptions.Win32OLEServerConnectionError(
"{0} | Win32 OLE server connection error:
'{1}'!" . format ( self .__class__.__name__,
foundations.strings.to_string(error)))
return True
```

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Example 147

Project: MCEdit-Unified
Source File: directories.py
View license

```
def win32_appdata():
try :
import win32com.client
objShell = win32com.client.Dispatch( "WScript.Shell" )
return objShell.SpecialFolders( "AppData" )
except Exception, e:
print "Error while getting AppData folder using WScript.Shell.SpecialFolders: {0!r}" . format (e)
try :
from win32com.shell import shell, shellcon
return shell.SHGetPathFromIDListEx(
shell.SHGetSpecialFolderLocation( 0 , shellcon.CSIDL_APPDATA)
)
except Exception, e:
print "Error while getting AppData folder using SHGetSpecialFolderLocation: {0!r}" . format (e)
return os.environ[ 'APPDATA' ].decode(sys.getfilesystemencoding())
```

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Example 148

Project: MCEdit-Unified
Source File: directories.py
View license

```
def win32_appdata():
try :
import win32com.client
objShell = win32com.client.Dispatch( "WScript.Shell" )
return objShell.SpecialFolders( "AppData" )
except Exception, e:
print "Error while getting AppData folder using WScript.Shell.SpecialFolders: {0!r}" . format (e)
try :
from win32com.shell import shell, shellcon
return shell.SHGetPathFromIDListEx(
shell.SHGetSpecialFolderLocation( 0 , shellcon.CSIDL_APPDATA)
)
except Exception, e:
print "Error while getting AppData folder using SHGetSpecialFolderLocation: {0!r}" . format (e)
return os.environ[ 'APPDATA' ].decode(sys.getfilesystemencoding())
```

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Example 149

Project: MCEdit-Unified
Source File: directories.py
View license

```
def getDocumentsFolder():
if sys.platform == "win32":
try:
import win32com.client
from win32com.shell import shell, shellcon
objShell = win32com.client.Dispatch("WScript.Shell")
docsFolder = objShell.SpecialFolders("MyDocuments")
except Exception, e:
print e
try:
docsFolder = shell.SHGetFolderPath(0, shellcon.CSIDL_MYDOCUMENTS, 0, 0)
except Exception:
userprofile = os.environ['USERPROFILE'].decode(sys.getfilesystemencoding())
docsFolder = os.path.join(userprofile, "Documents")
elif sys.platform == "darwin":
docsFolder = os.path.expanduser("~/Documents")
else:
docsFolder = os.path.expanduser("~/.mcedit")
try:
os.mkdir(docsFolder)
except:
pass
return docsFolder
```

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Example 150

Project: MCEdit-Unified
Source File: directories.py
View license

```
def getDocumentsFolder():
if sys.platform == "win32" :
try :
import win32com.client
from win32com.shell import shell, shellcon
objShell = win32com.client.Dispatch( "WScript.Shell" )
docsFolder = objShell.SpecialFolders( "MyDocuments" )
except Exception, e:
print e
try :
docsFolder = shell.SHGetFolderPath( 0 , shellcon.CSIDL_MYDOCUMENTS, 0 , 0 )
except Exception:
userprofile = os.environ[ 'USERPROFILE' ].decode(sys.getfilesystemencoding())
docsFolder = os.path.join(userprofile, "Documents" )
elif sys.platform == "darwin" :
docsFolder = os.path.expanduser( "~/Documents" )
else :
docsFolder = os.path.expanduser( "~/.mcedit" )
try :
os.mkdir(docsFolder)
except :
pass
return docsFolder
```