




NativeServices.RunWmiQuery

Method	RunWmiQuery
Module	NativeServices
Library	Core
Action	Execute a WMI query.
Parameters	<p>Namespace (string; optional, default "root\cimv2"): The WMI namespace to use.</p> <p>Query (string): The query expression.</p> <p>AsUser (string; optional; default 1E.Client service user) Windows only: The "domain\user" (down-level logon) account name that the Agent will attempt to impersonate on the local machine.</p> <p>If this parameter is absent the command will be executed in the Tachyon Agent process's user context.</p> <p>It is not an error if the specified user is not currently logged on (and this includes accounts that are not even defined). In this case execution is deemed successful but the method does nothing and returns no data.</p> <div style="border: 1px solid red; padding: 5px; margin: 5px 0;"> The specified user must be currently logged on and running <code>explorer.exe</code> (Windows Explorer).</div> <div style="border: 1px solid yellow; padding: 5px; margin: 5px 0;"> For <code>AsUser</code> to work with TMS/TAIL/Loadgen there must either be a <code>1E.Client.exe</code> in the same directory as the TMS /TAIL/Loadgen executable or an installed 1E Client.</div> <p>Available from v8.0.</p> <p>ResultsAsText (boolean; optional, default false):</p> <ul style="list-style-type: none"><code>false</code> - return a column for each property returned by the WMI query. Null values are reported as empty string.<code>true</code> - return a single column named "Data" containing a comma-delimited list of all <code>PropertyName:Value</code> returned by the WMI query. Null values are reported as <code>null</code>. <div style="border: 1px solid lightblue; padding: 5px; margin: 5px 0;"> <code>true</code> allows execution of WMI queries and interpretation (or at least display) of the results without the instruction having to know the table schema (WMI property names) up-front.</div>
Return values	<p>A row for each instance returned by the WMI query. The number of columns depends on <code>ResultsAsText</code>:</p> <ul style="list-style-type: none"><code>false</code> (default) - return a column for each property returned by the WMI query. Null values are reported as empty string.<code>true</code> - return a single column named "Data" containing a comma-delimited list of all <code>PropertyName:Value</code> returned by the WMI query. Null values are reported as <code>null</code>.
Example	<pre>// return multiple columns @query = "SELECT AdapterType, Name, Index, InterfaceIndex, MACAddress FROM Win32_NetworkAdapter WHERE PhysicalAdapter=true"; NativeServices.RunWmiQuery(Namespace:"root\cimv2", Query:@query); //return one column 'Data' @query = "SELECT AdapterType, Name, Index, InterfaceIndex, MACAddress FROM Win32_NetworkAdapter WHERE PhysicalAdapter=true"; NativeServices.RunWmiQuery(Namespace:"root\cimv2", Query:@query, ResultsAsText:true);</pre>
Platforms	<ul style="list-style-type: none">Windows

Notes

Avoid using " `SELECT * FROM . . .` " in your WMI query for instructions, especially when used as the last statement in an instruction. Instead, you should `SELECT` specific columns, which you would use in the instruction schema.

This is because:

- WMI queries may return a different number of columns depending on circumstances, which may cause a conflict with the instruction output schema
- WMI structure may change in future
- Returning specific columns is more efficient as the Agent will need to process less data
- Specifying column names is easier to understand.