

Improving Revolve Parsing Performance with Cache

Revolve uses its own cache, rather than using Windows virtual memory. In some cases, parsing time can be improved by experimenting with how Revolve caches. There is a Windows registry setting named `cacheDbSysMemory` that is used to control the size of the Revolve cache.

```
[HKEY_CURRENT_USER\Software\Micro Focus\Revolve\6.1\Revolve\6.1\Settings\Option]
"cacheDbSysMemory"="65536"
```

This setting can be increased to a maximum of 262144 (256Mb). It will use available RAM memory up to the maximum and then use disk for any remainder. If large projects are parsed in Revolve and they seem to take an excessive amount of time, you should increase the default value of the `cacheDbSysMemory` in small increments and retry. Less read/write operations to disk should occur as this setting is increased, as the system will use more available RAM for cache purposes. If performance does not improve, return the setting back to its default of 65536. Note that other applications running at the same time will have less available RAM memory available to them and may perform more slowly, so changes should only be made on machines where this will not an issue.

To change the default setting, use Windows Regedit (Start|Run| then type "regedit" and click the "OK" button) and navigate to the folder shown above. Double-click on `cacheDbSysMemory` and change the value in the box titled "value data". When complete, click "OK" and then exit Regedit. Start Revolve and test project's parsing performance.