

Save extractor's value

The following examples demonstrate how to create an external component that appends an extractor values to a .txt file. Here are the steps:

1. Implement the **IExternalComponent.OnAfterIteration(RuntimeSession)** method.
2. Create an output file Output.txt
3. Use a lock to lock the file for writing.
4. Access the extractor value and save it.

Save Response Example

```
public class SaveExtractorValue : IExternalComponent
{
    void IExternalComponent.OnTestStart()
    {
        //--- Not necessary.
    }
    void IExternalComponent.OnTestEnd()
    {
        //--- Not necessary.
    }
    void IExternalComponent.OnBeforeRequest(RuntimeSession session)
    {
        //--- Not necessary.
    }
    void IExternalComponent.OnAfterResponse(RuntimeSession session)
    {
        //--- Not necessary.
    }
    /// <summary>
    /// A write lock for multi-thread file writing
    /// </summary>
    readonly object s_writeLock = new object();

    void IExternalComponent.OnAfterIteration(RuntimeVU vu)
    {
        string idVal = vu.ExtractorRuntime.GetExtractorValue("MyExtractorName");
        if (!string.IsNullOrEmpty(idVal)) //check if this value indeed exists and no error occurred.
        {
            lock (s_writeLock)
            {
                string outputPath = Path.Combine(
                    Environment.GetFolderPath(Environment.SpecialFolder.MyDocuments),
                    "Output.txt"); //save to %Documents%\Output.txt
                using (StreamWriter fs = new StreamWriter(outputPath, true))
                {
                    fs.WriteLine(idVal);
                }
            }
        }
    }
}
```