

## ThreatFactor NSIA - Feature #62

### Parse CSS and JavaScript in Detection Engine

04/08/2010 11:40 PM - Luke Murphey

<b>Status:</b> New	<b>Start date:</b> 04/08/2010
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Scan Engine	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Description</b> NSIA should incorporate a parser for JavaScript and CSS in order to improve the capability of the scanner. Below are the value-added analysis that the extended parsing would add:  <b>CSS Parser</b> <ul style="list-style-type: none"><li>• Identify bad CSS declarations</li><li>• Identify content that is included via CSS</li></ul> <b>JavaScript/VBScript Parser</b> <ul style="list-style-type: none"><li>• Identify attempts to instantiate objects (such as Shockwave Flash instances)</li><li>• Could perform heuristics</li><li>• Could identify bad JavaScript syntax</li></ul>	
<b>Related issues:</b> Blocked by ThreatFactor NSIA - Feature #227: Ability for ThreatScripts to Add... <b>Closed</b> 11/05/2010 11/05/2010	

#### History

##### #1 - 04/08/2010 11:44 PM - Luke Murphey

For this to be done, a compiler grammar should be used to parse the content. The following projects could be used:

- JavaCC
- [ANTLR](#)

For JavaCC:

- [JavaScript](#)
- [VB Script](#) (Note: this is for VB6 but should work for VB scripts.)
- [CSS](#)

For ANTLR:

- [JavaScript](#)
- [JavaScript](#)
- [VB Script](#) (part of ASPA)
- [CSS](#)

#2 - 11/02/2010 01:12 PM - Luke Murphey

- Category set to Scan Engine