


Active Exploitation of Confluence CVE-2022- 26134

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On June 2, 2022, Atlassian published a [security advisory](#) for CVE-2022-26134, a critical unauthenticated remote code execution vulnerability in Confluence Server and Confluence Data Center. The vulnerability was unpatched when it was published on June 2. As of June 3, both patches and a temporary workaround are available.

CVE-2022-26134 is being actively and widely [exploited in the wild](#) . Rapid7's [Managed Detection and Response \(MDR\)](#) team has observed an uptick of likely exploitation of CVE-2022-26134 in customer environments as of June 3.

All supported versions of Confluence Server and Data Center are affected.

Atlassian updated their advisory on June 3 to reflect that it's likely that **all versions** (whether supported or not) of Confluence Server and Data Center are affected, but they have yet to confirm the earliest affected version.

Organizations should install patches OR apply the workaround on an **emergency basis**. If you are unable to mitigate the vulnerability for any version of Confluence, you should restrict or disable Confluence Server and Confluence Data Center instances immediately.

Technical analysis

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where `namespace` is created from the request URI string in

```
com.opensymphony.webwork.dispatcher.ServletDispatcher.getNamespaceFromServletPath :
```

```
public static String getNamespaceFromServletPath(String servletPath) {
    servletPath = servletPath.substring(0, servletPath.indexOf('/'));
    return servletPath;
}
```

The result is that the attacker-provided URI will be translated into a namespace, which will then find its way down to OGNL expression evaluation. At a high level, this is very similar to [CVE-2018-11776](#), the Apache Struts2 namespace OGNL injection vulnerability. Just a reminder that there is nothing new in this world.

The patch

On June 3, 2022, Atlassian directed customers to replace `xwork-1.0.3.6.jar` with a newly released `xwork-1.0.3-atlassian-10.jar`. The xwork jars contain the `ActionChainResult.class` and `TextParseUtil.class` we identified as the path to OGNL expression evaluation.

The patch makes a number of small changes to fix this issue. For one, `namespace` is no longer passed down to `TextParseUtil.translateVariables` from `ActionChainResult.execute`:

Before:

```
public void execute(ActionInvocation invocation) throws Exception {
    if (this.namespace == null)
        this.namespace = invocation.getProxy().getNamespace();
    OgnlValueStack stack = ActionContext.getContext().getValueStack();
    String finalNamespace = TextParseUtil.translateVariables(namespace, invocation.getParameters());
    String finalActionName = TextParseUtil.translateVariables(actionName, invocation.getParameters());
```

After:

```
public void execute(ActionInvocation invocation) throws Exception {
    if (this.namespace == null)
```

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