

SYSLOG AND WEBADM

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Syslog and WebADM

[SIEM](#) [Splunk](#) [syslog](#) [rsyslog](#) [WebADM](#)

1. Overview

This HowTo describes how to configure WebADM to send logs to the local syslog and optionally after to a remote syslog (rsyslog) server. Procedure may change according to the operating system, this configuration has been tested with CentOS Stream and RHEL OS. Please, refer to Rsyslog documentation for more information.

2. Configuration

2.1 WebADM configuration

On WebADM side, you need to edit the following configuration file :

```
/opt/webadm/conf/webadm.conf
```

Then you have to configure/enable the following settings:

```
log_syslog yes
syslog_facility LOG_LOCAL0
syslog_format CEF
```

Here, we are using the syslog facility local0 and the logs format is configured to the CEF which is a standard for every SIEM solutions.

Restart WebADM with the following command in order for changes take effect:

```
/opt/webadm/bin/webadm restart
```

WebADM configuration is done.

2.2 Syslog configuration

WebADM is now configured to send logs to `/var/log/local0.log`. If the file does not already exist, you have to create it.

```
touch /var/log/local0.log
```

Set the proper permissions to `/var/log/local0.log` file:

```
chmod 600 /var/log/local0.log
chown root:root /var/log/local0.log
```

Now, configure the following in `/etc/rsyslog.conf`:

```
#### RULES ####

local0.*                /var/log/local0.log
```

Restart syslog and rsyslog services.

```
systemctl restart rsyslog
systemctl restart syslog
```

2.3 Verification

WebADM logs should now be sent to `/var/log/local0.log`

```
cat /var/log/local0.log
...
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|New
openotpNormalLogin SOAP request|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20
spt=50652 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041646
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Username:
yoann|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20
dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041646
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Domain:
SUPPORT|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20
dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041646
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> LDAP
Password: xxxxxxxx|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652
dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041646
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Client ID:
LDAP|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20
dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041646
```

token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Source IP: 192.168.3.132|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Context ID: f3b109f26a25b60a839984340c68ac56|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|> Options: WEBAUTH|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Enforcing client policy: LDAP (matched client ID)|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Registered openotpNormalLogin request|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Ignoring 3 groups for user 'CN=yoann ,OU=SUPAdmins,DC=support,DC=rcdevs,DC=com' (out of domain group search base)|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Resolved LDAP user: CN=yoann ,OU=SUPAdmins,DC=support,DC=rcdevs,DC=com|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|New openotpNormalLogin request (SUPPORT\yoann)|1|event=sql rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Started transaction lock for user|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php? token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Found user
language: FR|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652
suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e20747261757442c4f553d5355504164a
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Found 1 user
mobiles: +33xxxxxxx|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652
suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e20747261757442c4f553d5355504164e
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Found 1 user
emails: yoann@suppot.rcdevs.com|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20
spt=50652 suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdfb34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164e
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Found 48 user
settings:
LoginMode=LDAP,OTPTType=TOKEN,OTPFallback=SMS,PushLogin=No,PushVoice=No,LockTimer=5,MaxTries=
1:HOTP-SHA1-6:QN06-
T1M,DeviceType=FIDO2,U2FPINMode=Discouraged,SMSType=Normal,SMSMode=Ondemand,ReplyData=
[1
Items],MailMode=Ondemand,PrefetchExpire=10,LastOTPTTime=300,ListChallengeMode=ShowID|1|event=file
rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20
dpt=8080 request=/openotp/index.php?
token=5a5033bdbbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Found 8 user
data: OTPPrefix,AppKeyInit,VoiceState,TokenType,TokenKey,TokenState,TokenID,TokenSerial|1|event=file
rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132 dst=192.168.4.20
dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e20747261757442c4f553d5355504164e
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Requested login
factors: LDAP|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652
suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d53555041644
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|LDAP password
Ok|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132
dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdfb34310a91267ae582e6fa680000434e3d796f616e6e20747261757442c4f553d5355504164e
```

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Updated user
data|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 suser=192.168.3.132
dst=192.168.4.20 dpt=8080 request=/openotp/index.php?
token=5a5033bdfb34310a91267ae582e6fa680000434e3d796f616e6e20747261757442c4f553d5355504164f
```

Aug 9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Authentication success (LDAP)|1|event=sql rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652 user=192.168.3.133 dst=192.168.4.20 dst=8080 request=/openotp/index.php?

```
Aug  9 12:09:40 webadm1 webadm[2170148]: CEF:0|RCDevs|WebADM|2.1.13|OpenOTP|Sent login  
success response|1|event=file rt=1660039780 sid=8QCFTXC6 src=192.168.4.20 spt=50652  
suser=192.168.3.132 dst=192.168.4.20 dpt=8080 request=/openotp/index.php?  
token=5a5033bdfbf34310a91267ae582e6fa680000434e3d796f616e6e2074726175742c4f553d5355504164e
```

DATE | SERVER NAME | Process Name & PID | LOG FORMAT | Product Provider | Product name | Product version | Web Service/Application name | Request summary | severity | Log details

In order to send local syslog logs to a remote syslog, you have to edit the file `/etc/rsyslog.conf` and add the following:

Just replace the target and port by your Rsyslog IP address/hostname, port and protocol if needed according to your Rsyslog server configuration. On my side it is 192.168.10.250, port 514/TCP.

```
systemctl restart rsyslog
systemctl restart syslog
```

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