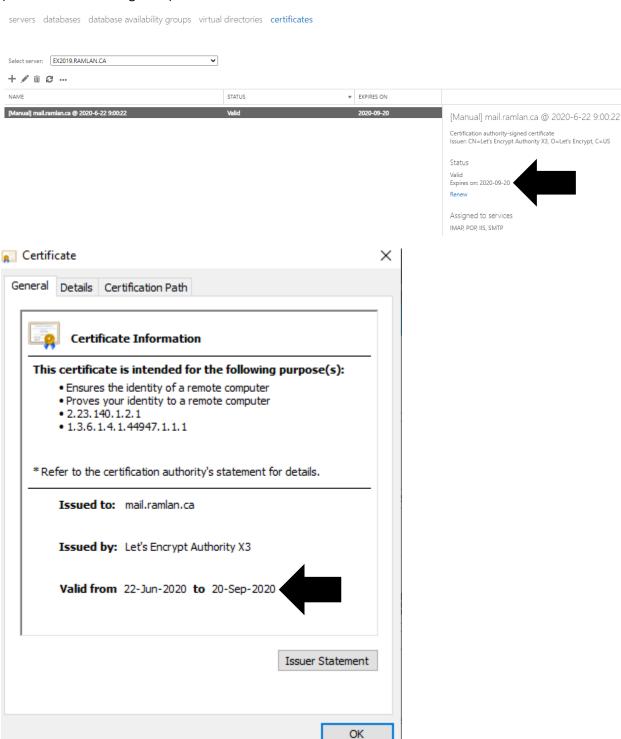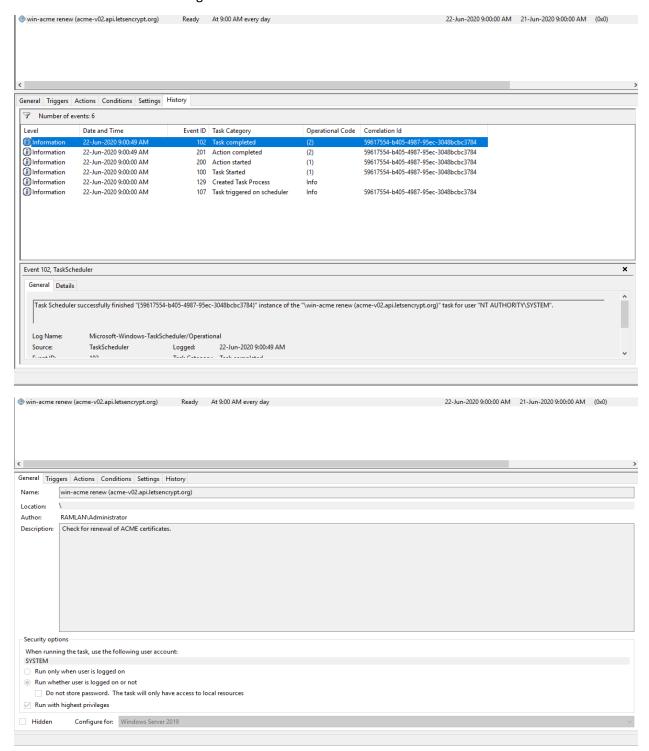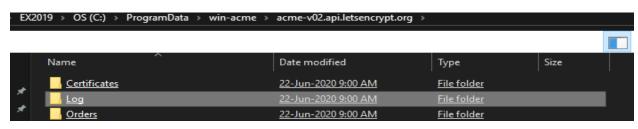# Let's Encrypt SSL Certificate for Exchange Server 2019

Few months ago, installed FREE Let's Encrypt SSL certificate for Exchange Server 2019. As per Let's Encrypt the certificate is valid for 3 months only, but they do create auto renewal through Task Scheduler. I checked this morning to see, if the certificate was renewed as it was due for renewal on 20th Jun 2020. The task scheduler did the job and the certificate was renewed for another 3 months (next renewal 16th Aug 2020). Below are few screen shots.

servers   databases   database availability groups   virtual directories   certificates

Select server: EX2019.RAMLAN.CA

NAME	STATUS	EXPIRES ON
[Manual] mail.ramlan.ca @ 2020-6-22 9:00:22	Valid	2020-09-20

[Manual] mail.ramlan.ca @ 2020-6-22 9:00:22

Certification authority-signed certificate
Issuer: CN=Let's Encrypt Authority X3, O=Let's Encrypt, C=US

Status
Valid
Expires on: 2020-09-20
Renew

Assigned to services
IMAP, POP, IIS, SMTP

Certificate

General   Details   Certification Path

Certificate Information

This certificate is intended for the following purpose(s):

- Ensures the identity of a remote computer
- Proves your identity to a remote computer
- 2.23.140.1.2.1
- 1.3.6.1.4.1.44947.1.1.1

* Refer to the certification authority's statement for details.

Issued to: mail.ramlan.ca

Issued by: Let's Encrypt Authority X3

Valid from 22-Jun-2020 **to** 20-Sep-2020

Issuer Statement

OK

Windows Task Scheduler Configuration:

win-acme renew (acme-v02.api.letsencrypt.org)	Ready	At 9:00 AM every day	22-Jun-2020 9:00:00 AM	21-Jun-2020 9:00:00 AM	(0x0)

General | Triggers | Actions | Conditions | Settings | History

Number of events: 6

Level	Date and Time	Event ID	Task Category	Operational Code	Correlation Id
Information	22-Jun-2020 9:00:49 AM	102	Task completed	(2)	59617554-b405-4987-95ec-3048bcbc3784
Information	22-Jun-2020 9:00:49 AM	201	Action completed	(2)	59617554-b405-4987-95ec-3048bcbc3784
Information	22-Jun-2020 9:00:00 AM	200	Action started	(1)	59617554-b405-4987-95ec-3048bcbc3784
Information	22-Jun-2020 9:00:00 AM	100	Task Started	(1)	59617554-b405-4987-95ec-3048bcbc3784
Information	22-Jun-2020 9:00:00 AM	129	Created Task Process	Info	
Information	22-Jun-2020 9:00:00 AM	107	Task triggered on scheduler	Info	59617554-b405-4987-95ec-3048bcbc3784

Event 102, TaskScheduler

General | Details

Task Scheduler successfully finished "{59617554-b405-4987-95ec-3048bcbc3784}" instance of the "\win-acme renew (acme-v02.api.letsencrypt.org)" task for user "NT AUTHORITY\SYSTEM".

Log Name:	Microsoft-Windows-TaskScheduler/Operational		
Source:	TaskScheduler	Logged:	22-Jun-2020 9:00:49 AM

win-acme renew (acme-v02.api.letsencrypt.org)	Ready	At 9:00 AM every day	22-Jun-2020 9:00:00 AM	21-Jun-2020 9:00:00 AM	(0x0)

General | Triggers | Actions | Conditions | Settings | History

Name: win-acme renew (acme-v02.api.letsencrypt.org)
Location: \
Author: RAMLAN\Administrator
Description: Check for renewal of ACME certificates.

Security options
When running the task, use the following user account:
SYSTEM
○ Run only when user is logged on
◉ Run whether user is logged on or not
☐ Do not store password. The task will only have access to local resources
☑ Run with highest privileges
☐ Hidden   Configure for: Windows Server 2019

If you want to check the logs – Here it is

EX2019 > OS (C:) > ProgramData > win-acme > acme-v02.api.letsencrypt.org

Name	Date modified	Type	Size
Certificates	22-Jun-2020 9:00 AM	File folder	
Log	22-Jun-2020 9:00 AM	File folder	
Orders	22-Jun-2020 9:00 AM	File folder	

Log Text

Searching for Exchange snapin...
Microsoft.Exchange.Management.PowerShell.E2010
Microsoft.Exchange.Management.PowerShell.SnapIn
Checking if certificate can be found in the right store...
Certificate not found where its supposed to be, try to load from file
Certificate imported for use in Exchange
Updating Exchange services...
Certificate set for the following services: IIS,SMTP,POP,IMAP
2020-06-22 09:00:49.124 -04:00 [INF] Script finished
2020-06-22 09:00:49.189 -04:00 [INF] Uninstalling certificate from the certificate store
2020-06-22 09:00:49.192 -04:00 [INF] Removing certificate [Manual] mail.ramlan.ca @ 2020-4-27 21:09:46 from store WebHosting
2020-06-22 09:00:49.197 -04:00 [INF] Next renewal scheduled at 2020-8-16 9:00:29 ←
2020-06-22 09:00:49.290 -04:00 [INF] Renewal for [Manual] mail.ramlan.ca succeeded

Date/Time: Component:
Thread: Source:

2020-06-22 09:00:49.290 -04:00 [INF] Renewal for [Manual] mail.ramlan.ca succeeded

If you want to configure Let's Encrypt – check this blog

https://www.infotechram.com/index.php/2020/04/28/lets-encrypt-ssl-for-exchange-server-2019/

Thanks

Ram Lan
22nd Jun 2020