

LOCAL LICENSE SERVER

Administrator Guide for Windows

MN-003302-01 Rev. A



ZEBRA

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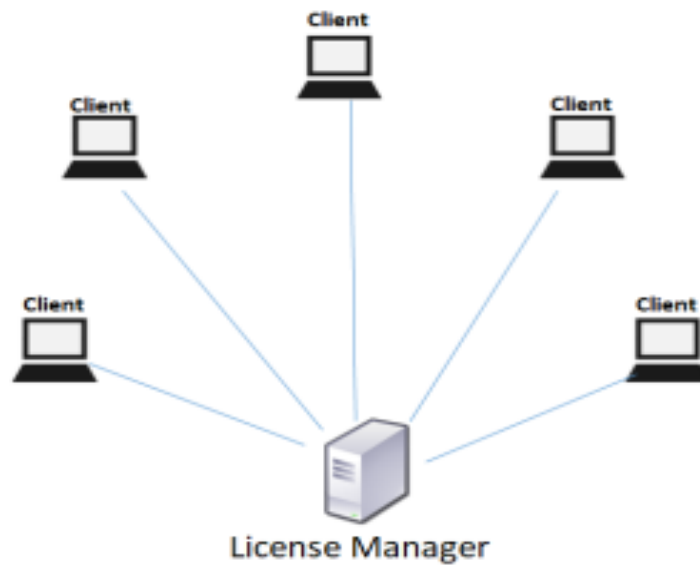
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Introduction

Zebra Technologies' Local License Manager (also referred to as "Server")

Sentinel RMS License Manager is an on-premises network service that enforces and manages licensing in multi-user environment. It keeps track of all the licenses and handles requests from network users who want to run your application, granting authorization to the requester to allow them to run the application, and denying requests when all licenses are in use.



This guide describes how to administer Zebra Technologies' Local License Server.



NOTE: Screens and windows pictured in this guide are samples and can differ from actual screens.

Contact

Please feel free to send your queries on this presentation to ZebraSWLicensingTeam@zebra.com

Getting Started

Local License Server Requirements

Hardware Requirements

Minimum hardware requirements for the license server:

- Hard drive: 500 MB
- RAM: 4 GB
- CPU: 2 GHz, two cores.

Supported Platforms

The Embedded local license server is supported on the following platforms:

- Windows (32-bit binary that is available for both 32-bit and 64-bit).

Default Installation Path

- Windows 32-bit - <Odrive>:/Program Files/Common Files/Thales/Sentinel RMS License Manager/WinNT

Network Port

- 5093

 **NOTE** Sentinel RMS License Manager uses port number 5093 and 5099. Make sure these ports are not blocked by a firewall. Otherwise, it may result in unexpected behavior.

Customer License Portal

- <https://zebratechnologies.prod.sentinelcloud.com/ecp/>

Download Packages

If you require administration of enterprise licenses on a local, on-premise server, please contact the [Zebra Technical Support](#) help desk to obtain access to the installer.

Install Local License Manager(LLS)

Install Sentinel RMS License Manager 10.2.0 executable under RMS License Manager folder.

- a. During installation steps, please select installation Type as Complete.
- b. Select checkbox for unlock system firewall settings for RMS License Manager.
- c. Follow installation prompt with default selections until Installation is completed.

Thales Local License Server Components

1. WlmAdmin RMS License Manager (Local License Server) Service
2. WlmAdmin – Administration Application for RMS License Manager.
3. WlsGrMgr – Application to manage Reservations.

Zebra RMS WlmAdmin

WlmAdmin displays information about the on-premises RMS License Managers¹ and performs a variety of administrative functions associated with them. It displays elaborate information, which includes the License Manager information, feature information, and license and client information.

Start WlmAdmin

- Launch WlmAdmin – Administration Application (WlmAdmin.exe) from WLMAdmin directory.

Landing page of WlmAdmin



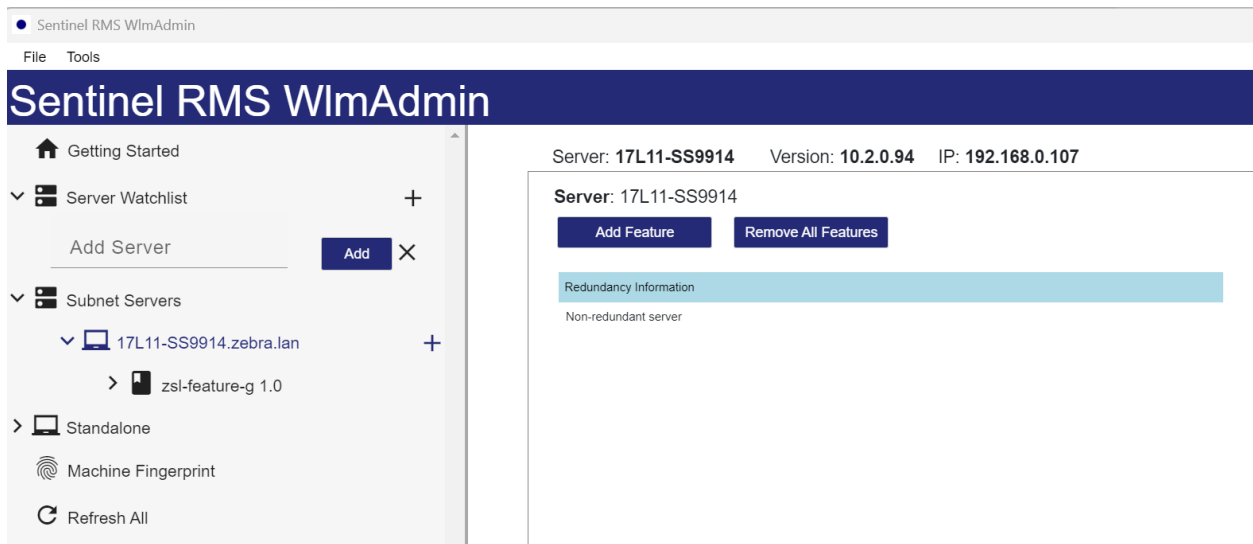
Server Watchlist

- Allows creation of a list of defined License Managers.
- Click the + icon shown next to Server Watchlist. The Add Server field appears. In the Add Server field, type the host name or IP address of the License Manager host name and click Add. Once a License Manager is added, all the features-version combinations for which the License Manager is hosting licenses, are listed.
- You can add more License Managers to view the licenses hosted by them.

 **NOTE** WlmAdmin may take time in showing an error message if you have clicked a License Manager (in the Server Watchlist) that is either not running or does not exist. WlmAdmin attempts to find the License Manager and shows an error message when it fails in doing so.

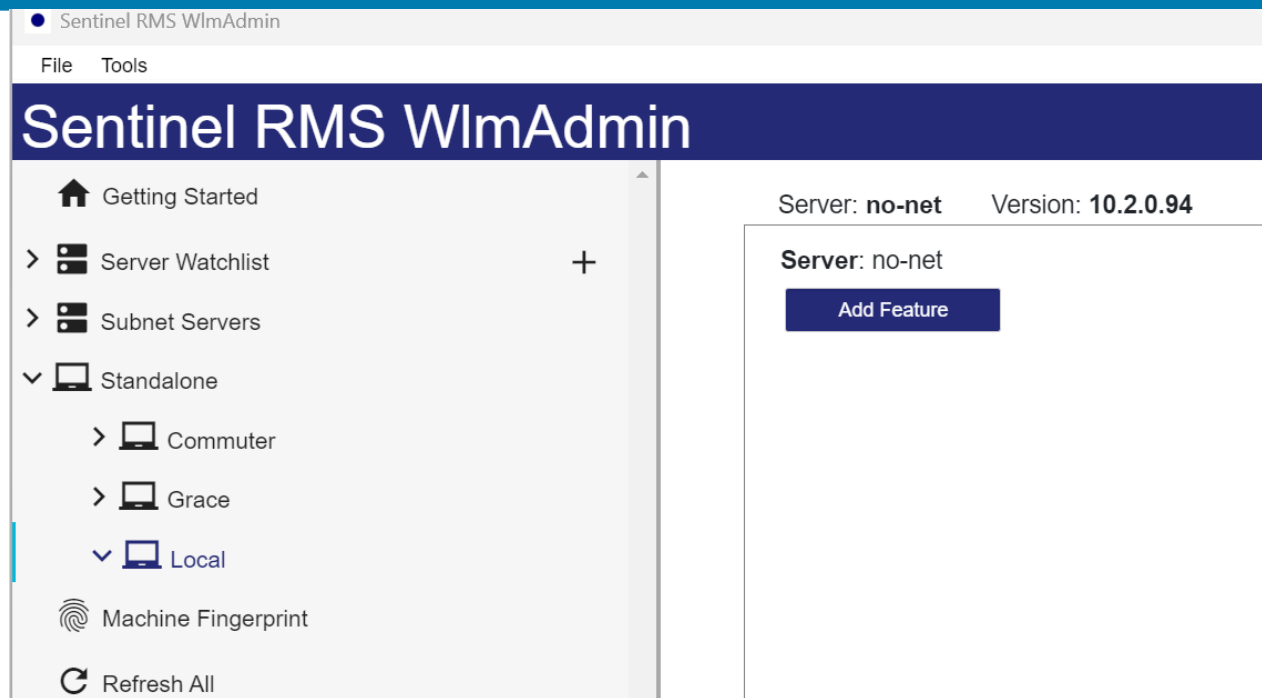
Subnet Servers

- Discovers the License Managers on your network subnet.
- If not sure of the License Manager computer's host name or IP address, please wait for WlmAdmin to display License Managers under Subnet Servers. WlmAdmin broadcasts to the network to discover all License Managers and display them here.
- Click the left-side arrow ➤ to list any License Managers in the subnet.
- Click the + icon shown next to a subnet server to add the selected server to Server Watchlist.



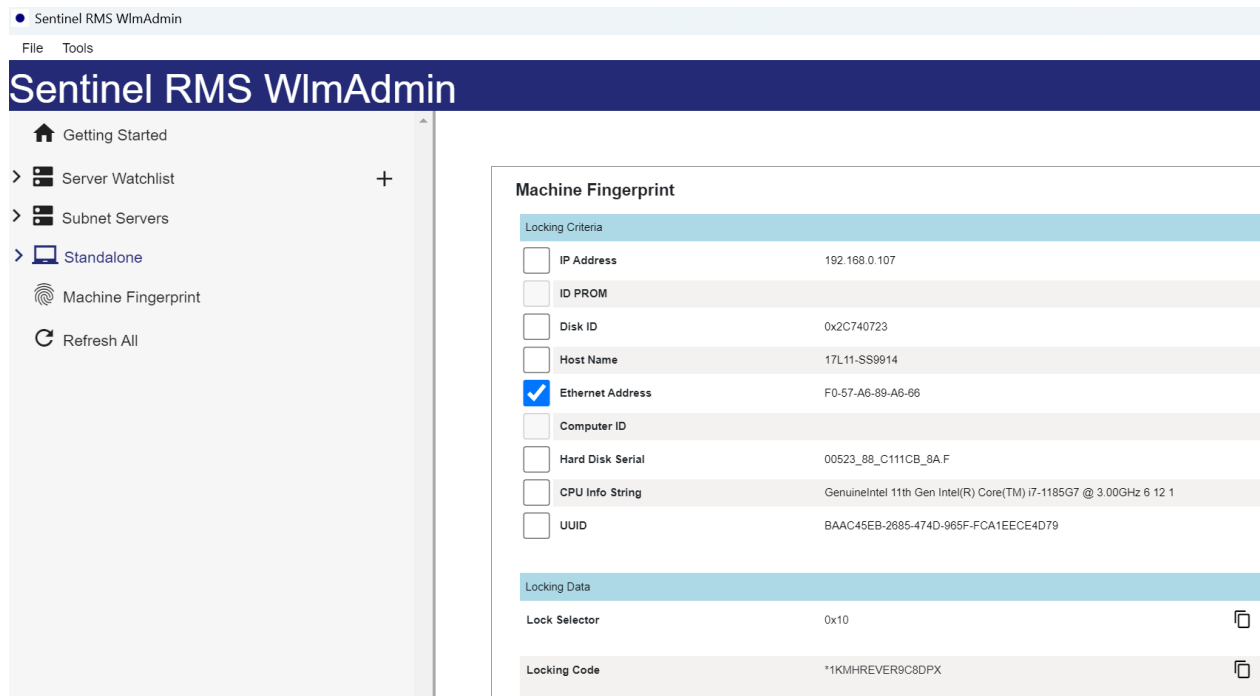
Standalone

- Shows licenses on the local machine where WlmAdmin is run
- Click the left-side arrow ➤ to list any standalone licenses existing on this machine (where WlmAdmin is run).



Machine Fingerprint

- Displays the fingerprint information of the current machine.
- Select from the available fingerprint options to generate the [locking information](#) of the current machine.



NOTE: Local License Server supports Machine Fingerprint type Ethernet address only

Refresh All

- Displays new information on that group of License Managers.

Lock Code



Note: Lock code is needed to Activate License and Download License File from ECP Portal,

Customer License Portal

<https://zebratechnologies.prod.sentinelcloud.com/ecp/>

Method

- Run WlmAdmin.exe file
- Navigate to the Machine Fingerprint Section to obtain locking code.
- Uncheck all Locking Criteria and keep only Ethernet Address option checked.
- Locking Code is displayed under Locking Data -> Locking Code.

The screenshot shows the Sentinel RMS WlmAdmin application window. The title bar reads "Sentinel RMS WlmAdmin". Below the title bar is a menu bar with "File" and "Tools". The main window has a dark blue header with "Sentinel RMS WlmAdmin" in white. On the left is a sidebar with a tree view containing: "Getting Started", "Server Watchlist" (with a refresh icon), "Subnet Servers", "Standalone", "Machine Fingerprint" (highlighted with a blue bar), and "Refresh All" (with a circular arrow icon). The main content area is titled "Machine Fingerprint" and contains two sections: "Locking Criteria" and "Locking Data".

Locking Criteria	
☐	IP Address 192.168.0.104
☐	ID PROM
☐	Disk ID 0xA208D444
☐	Host Name MYTSL02004
☒	Ethernet Address 00-BE-43-22-03-37
☐	Computer ID
☐	Hard Disk Serial YCCA0N201870C034_G00000010
☐	CPU Info String GenuineIntel 11th Gen Intel(R) Core(TM) i5-1145G7 @ 2.60GHz 6 12 1
☐	UUID 4C4C4544-004E-3910-804B-B1C04F444C33

Locking Data	
Lock Selector	0x10
Locking Code	*1NQ9ZD65Y68KHB

Activate & Download License File

Login to ECP Portal activate the license and download license file.

1. Go to ECP Portal, <https://zebratechnologies.prod.sentinelcloud.com/ecp/>
2. Go to Products-> Select product -> click Activate



Home Welcome Zebra Internal LLS

Products	Orders	Activations	Devices	Search	Export CSV
Product	Activated	Available	Total Quantity		
Enterprise Browser Android Device License EVAL (v:N/A)	0	15	15		
Mobility DNA Upgrade License (v:N/A)	0	10	10		
« 1 » Rows Per Page: 10					

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Home Welcome Zebra Internal LLS

Products

Orders

Activations

Devices

Search

Export CSV

Product 	Activated 	Available 	Total Quantity 						
Enterprise Browser Android Device License EVAL (v:N/A)	0	15	15						
Product Key ID	Order Date	Order Number	PO Number	Contract Number	Badge ID	Activated	Available	Total Quantity	Actions
0f67f4d1-04f0-47be-be54-336844045e8f	8/7/2025	Zebra Internal LLS Test	Zebra Internal LLS Test		BDG-Q2BY7S4X	0	15	15	Activate
Mobility DNA Upgrade License (v:N/A)	0	10	10						

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Rows Per Page:

10



Order ID : 1576912b-575c-44ec-87ec-032f9ef8c807

Customer Name: Zebra Internal LLS

Activating For Myself

Activating For Another User

 Activatee zebrainternallls@yopmail.com
 Email :

Note: Activate and Download license file for OFFLINE Activation/Deployment only. Do not use for ONLINE activation

Products

Downloads

☒	Product	Activated	Available	Enforcement	Quantity To Activate
☒	Enterprise Browser Android Device License EVAL (v): Expiration:11/5/2025	0	15		1

Select a variant

 Enterprise Browser Android
 Device License EVAL Right To
 Use
 Enterprise Browser Android
 Device License EVAL Network
 Offline
 Enterprise Browser Android
 Device License EVAL Network
 Online POC
 Enterprise Browser Android

Select a variant

Device :

* Device Name :

* Device ID :

Available

New

3. Enter quantity to Activate

4. Select Variant, **always select Network Offline variant** for Local License Server.

5. Enter Device Name (Friendly Name), Device Id (Friendly Name) and Locking Criteria (Ethernet Address Locking Code)



Order Activation

Order ID : 1576912b-575c-44ec-87ec-032f9ef8c807

Customer Name: Zebra Internal LLS

Activating For Myself

Activating For Another User

Activatee Email : zebrainternallls@yopmail.com

Note: Activate and Download license file for OFFLINE Activation/Deployment only. Do not use for ONLINE activation

Products

Downloads

☒	Product	Activated	Available	Enforcement	Quantity To Activate	Variant
☒	Enterprise Browser Android Device License EVAL (v): Expiration:11/5/2025	0	15		1	Enterprise Browser Android De

Product Lock Code

Device :

* Device Name :

* Device ID :

* Ethernet Address :

Available

New

TESTDEVICE_NAME

TESTDEVICE_ID

*1KMHREVER9C8DPX

Cancel

Activate

6. Click on Activate

7. Download License File

Home Welcome Z

Order Activation

Order ID : 1576912b-575c-44ec-87ec-032f9ef8c807

Activating For Myself

Activating For Another User

Note: Activate and Download license file for OFFLINE

Products

Downloads

☒ Product

☒ Enterprise Browser Android Device License EVAL (v: Network Offline)
Expiration:11/5/2025

Product Lock Code

Device :

Available

New

* Device Name :

TESTDEVICE_NAME

* Device ID :

TESTDEVICE_ID

* Ethernet Address :

*1KMHREVER9C8DPX

Cancel

Activation Completed successfully

Order ID: 1576912b-575c-44ec-87ec-032f9ef8c807

Customer Name: Zebra Internal LLS

Product	Activated
Enterprise Browser Android Device License EVAL (v:Network Offline)	1

Download License File

Close

Home Welcome Ze

Products

Orders

Activations

Devices

Search

Activation Date	Transaction ID	Product Key ID	Device Name	Device ID	Locking Code	Product	License File	Activated	Available
8/7/2025	8f0d4af2-3ea9-4352-acb7-4fc06924e643	0f67fd1-04f0-47be-be54-336844045e8f	TESTDEVICE_NAME	TESTDEVICE_ID	*1KMHREVER9C8DPX	Enterprise Browser Android Device License EVAL (v:N/A) Variant Network Offline Expiration: 11/5/2025	Download	1	14

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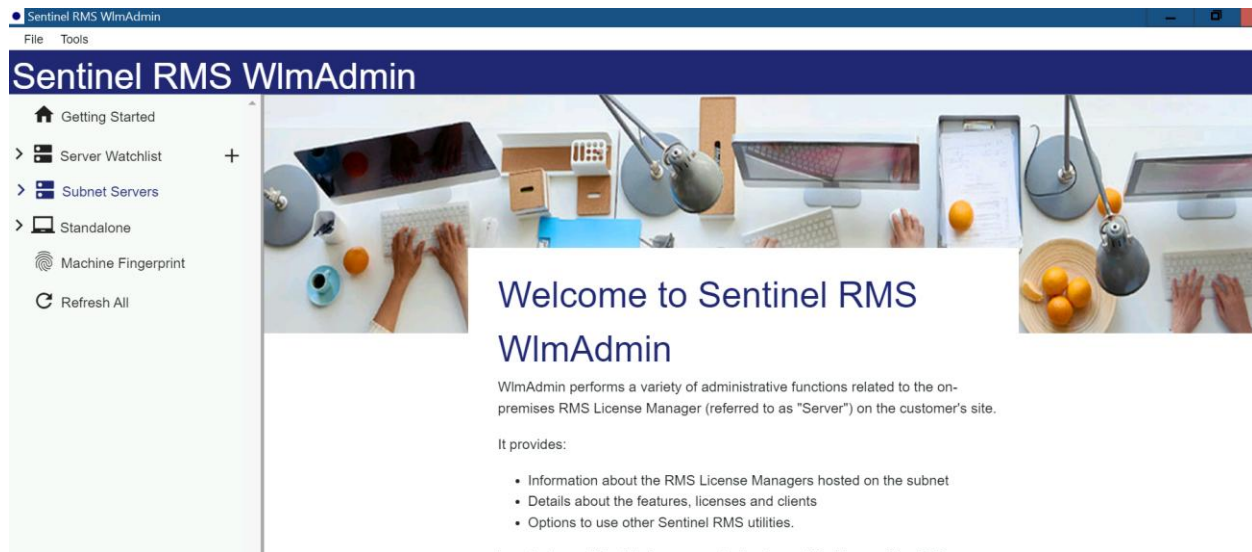
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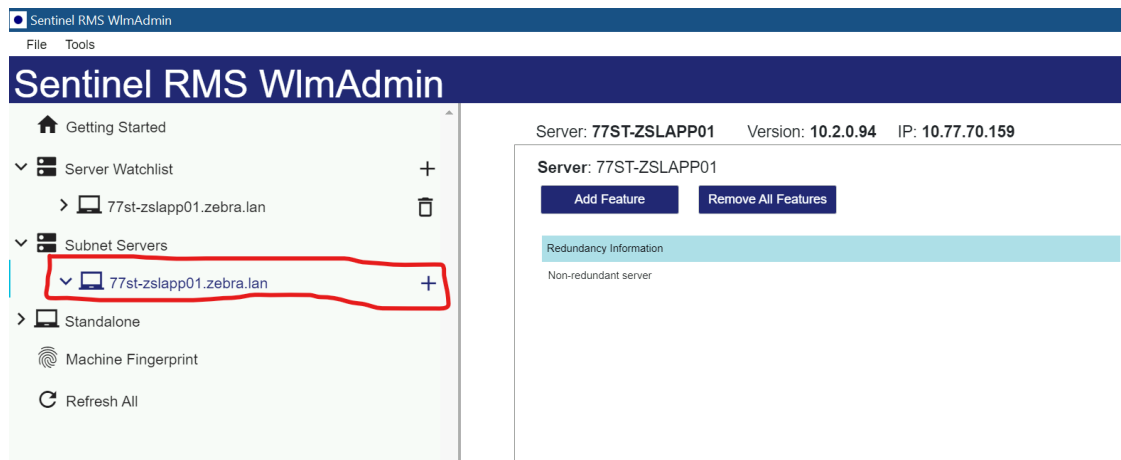
Add License files to the Local License Server using WlmAdmin

Run WlmAdmin.exe file



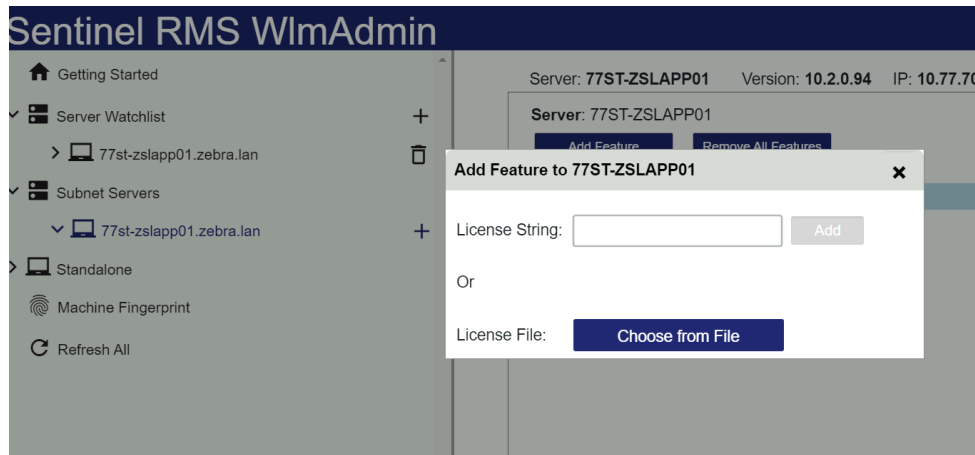
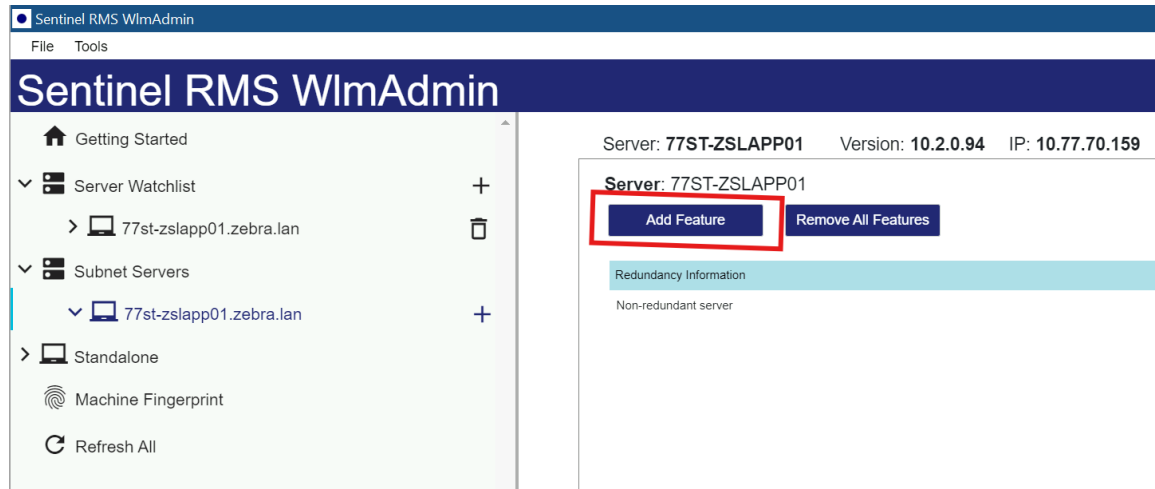
Subnet Servers

Click on Subnet Servers menu option, and click on server



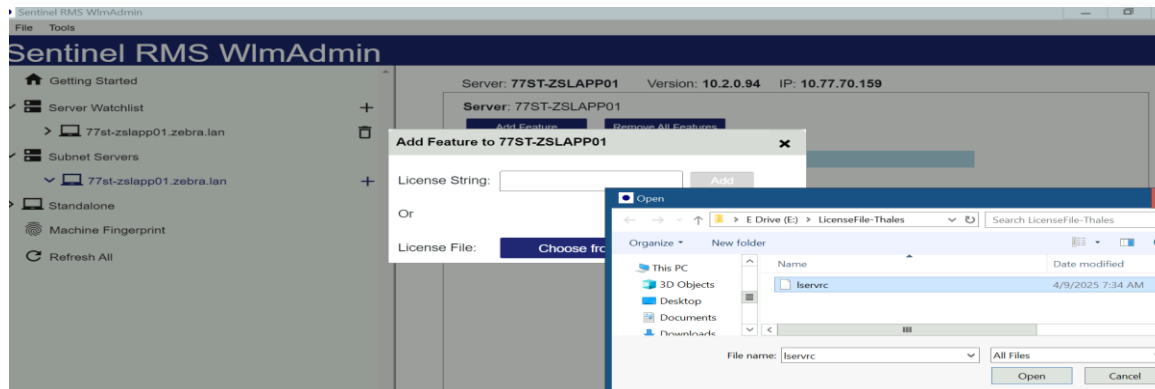
Add Feature

Click on Add Feature



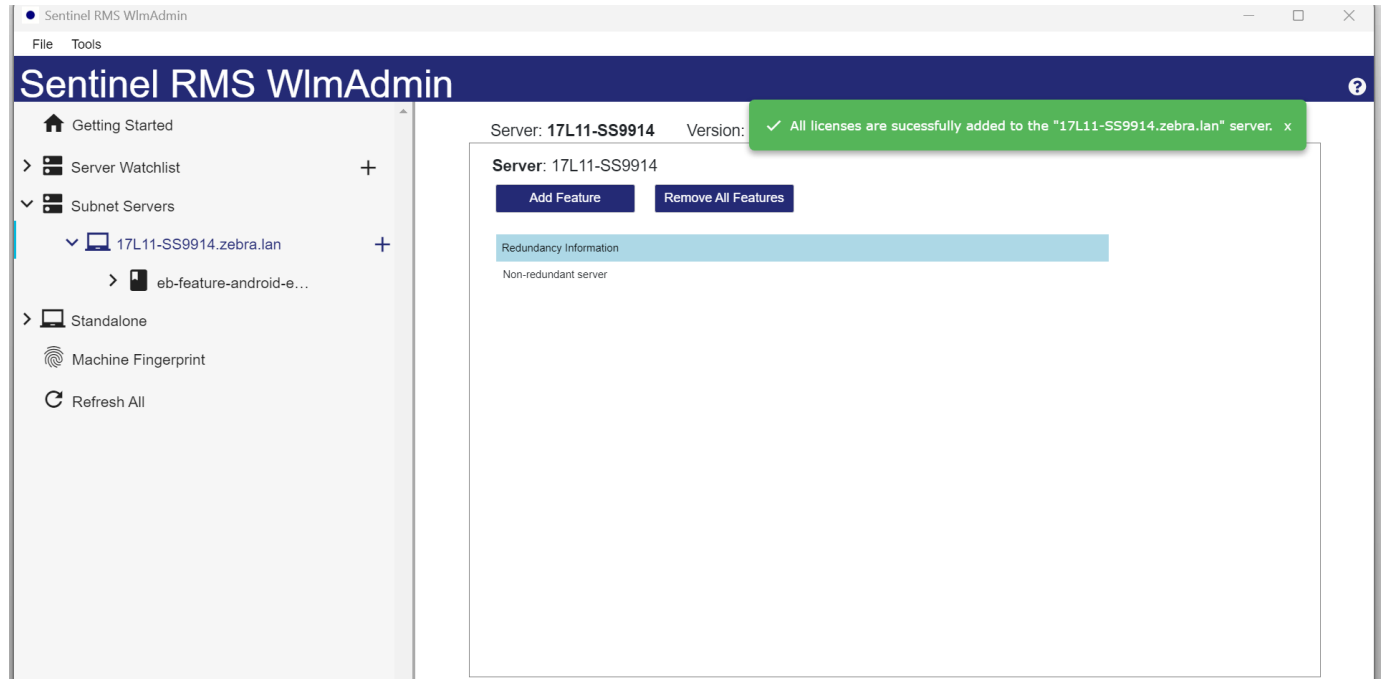
Add License File

Click Choose from file and select downloaded license file from Customer portal with name – “Iserverc”.



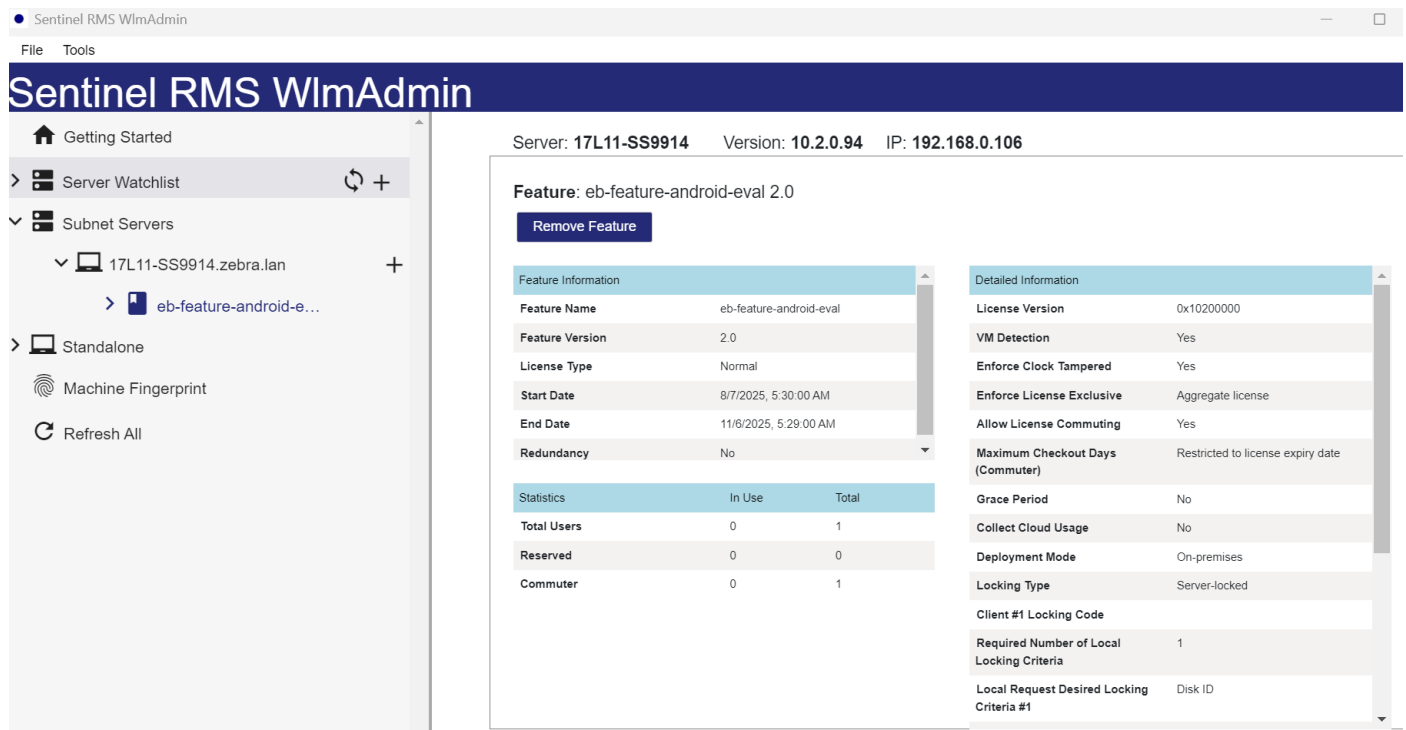
License File Added

Success message notification is displayed.



License Details

To review license details go to subnet servers and select the server, and click on the feature.



Add-On Orders for Additional Licenses or Renewals.



NOTE WlmAdmin can have only one license key for a particular Product/Feature. Please make sure to consolidate your purchases into a single license key for using it in Local License Server. If you are using subscription licenses, make sure to co-terminate all your contracts so that the licenses purchased can be consolidated into a single license key.

Add-on Orders licenses can be added to existing Local License Server with the help of Zebra Team.

Steps to follow after Add-On Order Processing is completed.

- Go to ECP Portal, <https://zebratechnologies.prod.sentinelcloud.com/ecp/>
- Locate the Consolidated License Key (PKID) and Download the License File (lservrc).
- Apply the new license file to the Local License Server using WlmAdmin Application.

NOTE WlmAdmin retains old license record entries:

- The old license record (e.g. Lic0, Lic1, etc.) status changes to inactive.
- The new license record is shown with active status and updated expiration date or quantity.
- Current Devices licensed using Local License Server needs to be initiate License Refresh.

Frequently Asked Questions

Q: How do I get access to the Zebra's Licensing Portal?

A: Follow the Instructions in the system generated mail upon successful creation of the entitlements.

Q: How do I get my licenses consolidated?

A: Reach out to Zebra Software Licensing Team ZebraSWLicensingTeam@zebra.com for License Consolidation.

Q: How do I get my contracts co-terminated?

A: Reach out to Zebra ZaaS Team ZaaS@zebra.com for contracts co-termination.

For any technical issues, please visit [Zebra Technical Support](#) for assistance.