ALE License Data Solution, MPLS License Generation User Manual

How to Generate License or Retrieve License





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1 Introduction

This instruction manual explains the user on the procedure to generate MPLS license for OS6860N from the Licensing Data Solution web portal.



2 Steps for License Generation

MPLS License for OS6860N can be generated by providing the Customer Number and Order Number.

2.1 Using Customer Number and Order Number

To generate license, follow the below steps:

- 1. Navigate to Licensing portal: https://lds.al-enterprise.com/
- 2. Click the hyperlinked MPLS License Generation as in the following page:



Product License Generation Center

OmniAccess WLAN OmniVista 2500 NMS OmniSwitch 6900/10K/6860 OmniSwitch 6900/10K/6860 with Activation Code Omni 6450/6250 Omni 6450/6250 with Activation Code Omni Access ESR Omni 6560/MACSEC Bulk License Generation - Omni 6560 Omni 6360 Omni 6570 MPLS License Generation MAC Address Query Tool for Omni Switch products ClearPass Licensing Management System ClearPass/OAW/OV3600 Certificate Id Retrieval OV Network Advisor Activation Key Retrieval Ucopia Activation Key Retrieval Activation Code List for 10K/6900/6860 OmniVista 2500 NMS release 4.1 and higher query tool

Figure 1 : LDS Home Page

3. The following page appears:





LICENSE GENERATION - MPLS

Customer Number:* 🞯		
Order Number:* 🕜		
Customer Email: 🞯		
	Clear	Submit

User Manual for MPLS License Generation



Figure 2 : License Generation Page - MPLS

4. Enter '**Customer Number'** and '**Order Number'** for the product (OS6860N-MPLS-1/OS6860N-MPLS-4) that has been ordered and click on '**Submit'**.



LICENSE GENERATION - MPLS

Customer Number:* 🙆	91234
Order Number:* 🕜	5643234
Customer Email: 🞯	
	Clear Submit

User Manual for MPLS License Generation



Figure 3 : License Generation Page – MPLS



5. The following page appears where user will be able to find the licenses ordered in the drop down under '**License Type**' field as highlighted.



LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

Customer Number:* 🞯	91234
Order Number:* 🕜	5643234
License Type:* 🞯	select V
Description: Ø	Please choose the License Type from dropdown
Quantity:* 🞯	
Switch Serial Number:* 🞯	
Home	Clear Generate License Download History
<u>Us</u>	ser Manual for MPLS License Generation
Desktop co	empatibility with vith vith vith vith vith vith vith v
	© 2017, Alcatel-Lucent Enterprise. All rights reserved

Figure 4 : License Generation Page – MPLS



MPLS License	Generation	User	Manual
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Alcatel · Lucent	A
Enterprise	-

LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

Customer Number:* 🛛	91234			
Order Number:* 🞯	5643234			
License Type:* 🞯	select V			
Description: Ø	select icense Type from dropdown OS6860N-MPLS-1			
Quantity:* 🞯	OS6860N-MPLS-4			
Switch Serial Number:* 🞯				
Home [Clear Generate License Download History ser Manual for MPLS License Generation			
Desktop compatibility with vit+ vit+ <u>Terms & Conditions</u> © 2017, Alcatel-Lucent Enterprise. All rights reserved				

Figure 5 : License Generation Page - MPLS

6. Select the **'License Type'** from the drop down for which the license is to be generated (OS6860N-MPLS-1,OS6860N-MPLS-4), input Quantity, Switch Serial Number as shown below and click on **'Generate License**' as highlighted.





LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

Customer Number:* 🞯	91234
Order Number:* 🞯	5643234
License Type:* 🞯	OS6860N-MPLS-1 V
Description: Ø	Software License to enable MPLS Support on single pair of active-standby OS6860N nodes
Quantity:* 🞯	10
Switch Serial Number:* 🞯	BKL12345
Home	Clear Generate License Download History

User Manual for MPLS License Generation



Figure 6 : License Generation Page – MPLS



MPLS License G	eneration	User	Manual
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Alcatel Lucent	
LICENSE GENERATION	- MPLS
	tch Serial Number is required to generate the MPLS License Key. for specific part chosen within the ordered limit.
Customer Number:* 🕜	91234
Order Number:* 🕜	5643234
License Type:* 🞯	OS6860N-MPLS-1 V
Description: 0	Software License to enable MPLS Support on single pair of active-standby OS6860N nodes
Quantity:* 🞯	10
Switch Serial Number:* 🛛	BKL12345
Home	Clear Generate License Download History
I	User Manual for MPLS License Generation

Figure 7 : License Generation Page - MPLS

Note:

For generation of MPLS license,

- It's mandate to provide the quantity for which the user wants to generate the MPLS license within the ordered limit.
 - For example, if the user has ordered the license part : OS6860N-MPLS-1 for the quantity : 35, then they can input the quantity for which they need the license which is less than 35 i.e, ordered limit. In the Figure 7, the quantity been input is 10 for license generation out of 35 quantity ordered. User will still have the option to generate remaining 25 quantity of licenses whenever they need them later for the relative License Server.
- Serial Number is mandate for the user to provide after providing quantity. The Serial Number that needs to be input here is the License Server Switch Serial Number.
- 7. After clicking on '**Generate License**', the license gets generated for the Quantity and Switch Serial Number input by the user as in the following page where and they will be able to find the **'Download License'** Option.



	October 3, 2023	
Alcatel Lucent		
LICENSE GENERATION	I - MPLS	
A valid License Server Swit	tch Serial Number is required to generate the MPLS License	Kev
	for specific part chosen within the ordered limit.	ice j.
	Ily generated for the part number: OS6860N-MPLS-1	
Available license	Illy generated for the part number: OS6860N-MPLS-1 e count for the Part number: OS6860N-MPLS-1 is: 25	
Available license	e count for the Part number: OS6860N-MPLS-1 is: 25	l
Available license Customer Number:* @ Order Number:* @	e count for the Part number: OS6860N-MPLS-1 is: 25	
Available license Customer Number:* @ Order Number:* @ License Type:* @	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234	
Available license Customer Number:* Order Number:* License Type:* Description:	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234 OS6860N-MPLS-1 v	
Available license Customer Number:* Order Number:* License Type:* Description: Quantity:*	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234 OS6860N-MPLS-1 ✓ Please choose the License Type from dropdown	
Available license Customer Number:* Order Number:* License Type:* Description: Quantity:* Switch Serial Number:*	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234 OS6860N-MPLS-1 • Please choose the License Type from dropdown 10 BKL12345	
Available license Customer Number:* Order Number:* License Type:* Description: Quantity:* Switch Serial Number:*	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234 OS6860N-MPLS-1 • Please choose the License Type from dropdown 10	
Available license Customer Number:* Order Number:* License Type:* Description: Quantity:* Switch Serial Number:* Home Clear	e count for the Part number: OS6860N-MPLS-1 is: 25 91234 5643234 OS6860N-MPLS-1 • Please choose the License Type from dropdown 10 BKL12345	

Figure 8 : License Generation Page – MPLS

Note: As in the above Figure 8, user will be able to find that the license has been generated successfully and the quantity that is still available for license generation for the specific license part.

8. Click on **'Download License'** to download the generated license for the desired license part as shown below.



MPLS License Generation User Manual

October 3, 2023

Alcatel-Lucent		Downloads	
		BKL12345_00000000000_OS686	ioN-MPLS-1 (1).txt
LICENSE GENERATION	- MPLS	See more	
A valid License Server Swit	ch Serial Number is required to generate the MPLS Li	cense Key.	
Please input the quantity f	or specific part chosen within the ordered limit.		
License successfu	lly generated for the part number: OS6860N-M	PLS-1	
	count for the Part number: OS6860N-MPLS-1 i		
Customer Number:* 🛛	91234		
Order Number:* 🞯	5643234		
License Type:* 🞯	OS6860N-MPLS-1 V		
Description: @	Please choose the License Type from dropdown		
Quantity:* 🞯	10		
Switch Serial Number:* 🙆	BKL12345		
	Generate License Download History Download Lice	ense	
<u>t</u>	<u>ser Manual for MPLS License Generation</u>		
Desktop compatibility with vt3+, vt3+, vt1+ <u>Terms & Conditions</u> @ 2017, Alcatel-Lucent Enterprise. All rights reserved			

Figure 9 : License Generation Page – MPLS

9. Upon clicking the **'Download License'** Option, the license file with the generated license will be downloaded for the user as in the below image.

	BKL1234	5_00000000000_OS68601	×	+
File	Edit	View		
YES2	2-4kvp-P	AFy-%ROK-Ubsx-5PHT-	}B31	&J5К
		Figure 10 : L	icens	e File Post Generation



10. Click on the **'Download History'** to download the history of licenses generated for the specific Order Number and Customer Number at any point of time as in the following screenshot.

Alcatel·Lucent			nloads	
			643234.txt Ipen file	
LICENSE GENERATION	MPLS		KL12345_000000000000_OS6860	N-MPLS-1 (1).txt
	h Serial Number is required to generate the MPLS Li or specific part chosen within the ordered limit.	See more		
	y generated for the part number: OS6860N-M count for the Part number: OS6860N-MPLS-1 is			
Customer Number:* @		s: 25		
	91234			
Order Number:* 🞯	5643234			
License Type:* 🞯	OS6860N-MPLS-1 V			
Description: @	Please choose the License Type from dropdown			
Quantity:* @	10			
Switch Serial Number:* @	BKL12345			
Home Clear Generate License Download History Download License				
Desktop c	Desktop compatibility with vi3+, vi3+, vi3+, terms & Conditions © 2017, Alcatel-Lucent Enterprise. All rights reserved			

Figure 11 : License Generation Page – MPLS

	5643234	× +	
File	Edit View		
BKL1	L2345 OS6860N-MPL	5-1	YES2-4kvp-PAFy-%ROK-Ubsx-5PHT-}B31-&J5K

Note:

- Above is the image of license file downloaded by clicking '**Download History'** and contains the list of licenses been generated for relative parts associated with a specific Customer Number and Order Number.
- In case the user provides the 'Customer Email' along with 'Customer Number' & 'Order Number' in Figure 3, then in this case user will be re-directed to license generation page as usual and after generating the respective license the license will be sent to the email id input by the user.



1. User inputs Customer Number, Order Number and Customer Email and clicks on '**Submit**' as below.

Alcatel-Lucent				
LICENSE GENERATION - MPLS				
Customer Number:* Ø	91234			
Order Number:* 🕜	5643234			
Customer Email: 🞯	test@xyz.com			
Clear Submit User Manual for MPLS License Generation				
Desktop compatibility with v3+, v1+ <u>Terms & Conditions</u> © 2017, Alcatel-Lucent Enterprise. All rights reserved				

Figure 12 - License Generation Page - MPLS

 User to select the desired license part for which they want to generate the license by providing the quantity and license server switch serial number inputs and clicks on 'Generate License'





LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

Customer Number:* 🞯	91234	
Order Number:* 🞯	5643234	
License Type:* 🕜	OS6860N-MPLS-1 🗸	
Description: 🞯	Software License to enable MPLS Support on single pair of active-standby OS6860N nodes	
Quantity:* 🕜	15	
Switch Serial Number:* 🞯	K2760019	
Home Clear Generate License Download History User Manual for MPLS License Generation		



Figure 13 : License Generation Page - MPLS

- 3. After clicking 'Generate License' by providing necessary details, the license will be successfully generated and sent to the email address provided by the user as shown below.
 - User will also be displayed with the message of successful license generation along with the quantity of licenses still available for generation on the portal.
 - User can also download the license by clicking on '**Download License**' button for the same.





LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

	License successfully sent to your email address			
Available license count for the Part number: OS6860N-MPLS-1 is: 10				
Customer Number:* 🞯	91234			
Order Number:* 🞯	5643234			
License Type:* 🞯	OS6860N-MPLS-1 🗸			
Description: Ø	Please choose the License Type from dropdown			
Quantity:* 🕜	15			
Switch Serial Number:* 🙆	K2760019			
Home Clear Generate License Download History Download License				
Desktop compatibility with © 2017, Alcatel-Lucent Enterprise. All rights reserved				

Figure 14 : License Generation Page - MPLS



		Downloads			
Alcatel·Lucent	9	K2760019_000000000 Open file	000_OS6860N-MPLS-1.txt		
LICENSE GENERATION	- MPLS	See more			
	ch Serial Number is required to generate the MPLS L or specific part chosen within the ordered limit.	icense Key.			
	e successfully sent to your email address				
	count for the Part number: OS6860N-MPLS-1	is: 10			
Customer Number:* 🞯	91234				
Order Number:* 🞯	5643234				
License Type:* 🞯	OS6860N-MPLS-1 ✔				
Description: @	Please choose the License Type from dropdown				
Quantity:* 🞯	15				
Switch Serial Number:* @	K2760019				
Home Clear	Home Clear Generate License Download History Download License				
Ţ	User Manual for MPLS License Generation				
Desktop	Desktop compatibility with vitile volume vol				

Figure 15: License Generation Page - MPLS

• Upon clicking on '**Download License**' as mentioned in the above step, user will be able to download the generated license key as below.

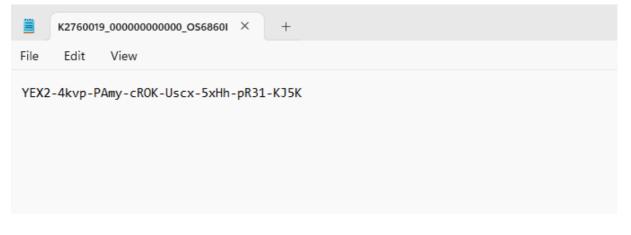


Figure 16 : Sample License File Downloaded Upon Generation



License Generation for MPLS on - 25-Sep-2023



noreply@al-enterprise.com To Test

K2760019_OS6860N-MPLS-1_.txt 387 bytes

External Email – Be cautious while opening any links or attachments.

Dear Customer,

Greetings!

Please find the attached license key for

Customer ID: 91234

Order Number: 5643234

Part Number: OS6860N-MPLS-1

Thank you!

Regards, ALE License Support Group, Alcatel-Lucent Enterprise

This is a system generated email. Please DO NOT REPLY TO THIS MAIL.

Figure 17 : Sample Mail for Generated License of OS6860N MPLS

Note: Above is the screenshot of the sample mail in the Figure 17 been received with the generated license key to the email id input by the user



3 Few Error Message and Their Interpretation

User sometimes may encounter some unexpected error condition due to invalid data, wrong combination of data, data unavailability etc. Here are some common error conditions are discussed along with their meaning.

1. *If license quantity for the part has been exhausted for the given Customer Number and Order Number:*

If user generates last quantity of license for the part, then customer will encounter below page once the license has been generated.



LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

License successfully sent to your email address All Licenses have been consumed for the Part number: OS6860N-MPLS-1			
Customer Number:* 🞯	91234		
Order Number:* 🞯	5643234		
License Type:* 🞯	OS6860N-MPLS-1 🗸		
Description: 0	Please choose the License Type from dropdown		
Quantity:* 🞯	10		
Switch Serial Number:* 🞯	A1234567		
Home Clear Generate License Download History Download License User Manual for MPLS License Generation			



Figure 18 : License Generation Page - MPLS



2. When all the licenses related to Order Number and Customer Number has been generated:

When all the licenses ordered have been generated for the specified Customer Number and Order Number, then user will encounter the below error page.

Alcatel Lucent	
All License const	umed for the Customer Number and Order Number
Customer Number:* Ø	91234
Order Number:* 🞯	5643234
Customer Email: 🞯	
	Clear Submit Download History
Ī	User Manual for MPLS License Generation
	compatibility with vil+ <u>Terms & Conditions</u>
Desktop	© compatibility with v63+, v11+ <u>Terms & Conditions</u> © 2017, Alcatel-Lucent Enterprise. All rights reserved

Figure 19 : License Generation Page - MPLS

3. If User provides Customer Number and Order Number for which no license exists (or) user provides wrong Customer Number and Order Number:

If user provides the Customer Number and Order Number for which ordering information has not been received yet or if the user provides the wrong Customer Number and Order Number, then user will encounter below page.





LICENSE GENERATION - MPLS

Please provid	e Correct Customer Number and Order Number	
Customer Number:* 🞯	91234	
Order Number:* 🕜	32244344	
Customer Email: 🞯		
Clear Submit User Manual for MPLS License Generation		
Desktop compatibility with 0 v63+, v11+ <u>Terms & Conditions</u>		
	© 2017, Alcatel-Lucent Enterprise. All rights reserved	

o 2017, Akater Daten Enterprise. An rights reserved

Figure 20 : License Generation Page - MPLS

3. If User provides Quantity more than one that they have ordered for the relative Customer Number and Order Number:

If user provides the Quantity beyond the ordered limit for the specific sales order, then user will encounter below page.

For example, user has ordered 20 quantities of OS6860N-MPLS-1 for the SO#5643234 and they are trying to input the quantity of 30, then the license cannot be generated as the entered value is greater than the ordered quantity.





LICENSE GENERATION - MPLS

A valid License Server Switch Serial Number is required to generate the MPLS License Key. Please input the quantity for specific part chosen within the ordered limit.

Customer Number:* 🞯	91234
Order Number:* 🞯	5643234
License Type:* 🞯	OS6860N-MPLS-1 🗸
Description: Ø	Please choose the License Type from dropdown
Quantity:* @	15
Switch Serial Number:* 🞯	A1234567
Home	Clear Generate License Download History User Manual for MPLS License Generation
Deskto	pp compatibility with vith vith vith vith vith
	© 2017, Alcatel-Lucent Enterprise. All rights reserved

4 Steps to Retrieve Existing License

To retrieve the history of licenses that are already generated, follow these steps:

1. Enter valid Customer Number and Order number. Once all the licenses have been generated for the provided Customer Number and Order Number then the following page appears:





LICENSE GENERATION - MPLS

All License cons	umed for the Customer Number and Order Number
Customer Number:* 🞯	91234
Order Number:* 🙆	5643234
Customer Email: 🞯	
Ţ	Clear Submit Download History User Manual for MPLS License Generation
Desktop	compatibility with v63+, v11+ <u>Terms & Conditions</u> © 2017, Alcatel-Lucent Enterprise. All rights reserved

Figure 22 : License Generation Page - MPLS

2. Click **'Download History'**. All the licenses generated for the Customer Number and Order number will be downloaded as below.

5643234	×	+ – –
File Edit View		
BKL12345	OS6860N-MPLS-1	YES2-4kvp-PAFy-%ROK-Ubsx-5PHT-}B31-&J5K
K2760019	OS6860N-MPLS-1	YEX2-4kvp-PAmy-cROK-Uscx-5xHh-pR31-KJ5K
A1234567	OS6860N-MPLS-1	NES2-1kvp-PAEy-cROK-UbKx-5PHT-pB4{-&J5K
JSZ231301041	056860N-MPLS-4	pES2-4hvp-PAmy-uROK-U\$7x-5PHT-}B31-hJ5K-4EJz-7Bop-[LEW-c1rV-H@qx-aigT-\$ 3t-5JK[

Figure 23 : Sample License File for All Generated Licenses of Order Number

