

Unify- SLES Linux update handleiding

Inhoudsopgave

SLES Upgrade Key	2
Procedure "update and patching"	3
SUSE Account	4
Registratie van de server	6



SLES Upgrade Key

Voor het updaten van SUSE Linux Enterprise Server is een SLES Upgrade Key benodigd. Hiervoor is een Unify artikel voor de OpenScape Office en de OpenScape Business. De SLES Upgrade Key geeft het recht om 3 jaar updates te installeren (vanaf moment van registreren bij SUSE).

Deze licentie kunt u vinden in onze webshop, OSBiz SLES Upgrade key F31505-K158-D52



UNIFY OPENSCAPE BUSINESS V2 SLES Upgrade key Art.nr: L30250-U622-B692 EAN: Merk: UNIFY

Deze SLES Upgrade Key dient vrij geschakeld te worden op de Unify licentieserver (op het MAC-adres of Locking-ID van de Linux server). De activatie key wordt vervolgens in een .html-bestand aangeleverd.

OpenScape Business V2 Activation Keys

Use the below activation key for your OpenScape Business V2 instance.

Activation Key	Issue Date
COF602A0771F58	2016-06-29 09:13:44.0



Procedure "update and patching"

Hoelang het updaten duurt is afhankelijk van de snelheid van de server en de internetverbinding. Een indicatie voor het update-proces zelf (inclusief de benodigde herstarts):

- Voor iedere service pack installeren: +/- 1 uur
- De patches vanaf internet installeren: +/- 1 uur

Maak voordat je de SLES Linux gaat updaten back-ups (een back-up vanuit de OpenScape Business centrale).

Bij voorkeur ook een snapshot op de VMware maken, zodat je bij problemen de Linux server in zijn geheel terug kan zetten naar de oude situatie zonder de updates erop. Voor het maken van de VMware snapshot:

- Eerst de Linux in geheel afsluiten (zodat databases niet meer in gebruik zijn)
- Het snapshot maken in VMware en de virtual machine weer opstarten

Controleer na het updaten of de telefooncentrale nog goed functioneert (gesprekken met audio, applicaties, etc).



SUSE Account

Er is een SUSE-account benodigd, waarop de Linux en de SLES Upgrade Key geregistreerd worden.

Dit SUSE-account dient op een e-mailadres van de klant zelf aangemaakt te worden, bij voorkeur op een algemeen emailadres van bijv. de ICT-afdeling. Als de SLES Upgrade Key verloopt (na 3 jaar) wordt hierover een e-mail bericht vanuit SUSE naar de klant toe gestuurd.

Vraag bij de klant een e-mailadres op en maak het SUSE-account voor de klant aan, of laat de klant zelf dit SUSEaccount aanmaken.

Documenteer de SUSE inlog en de SLES Upgrade Key licentie op een veilige plaats. (bijv. LastPass) SUSE Customer Center: <u>https://scc.suse.com</u>

SUSE Customer Center	English +
SUSE Customer Center	Sign in Enter your username Enter your password
Discover a new way of managing your SUSE account and subscriptions via one interface, anytime, anywhere.	login Can't access your account? Do you need help?
Don't have an account? Create an account	This site saves some information in cookies but only when strictly necessary - <u>Learn more</u>
© 2016 SUSE Careers Legal About Contact Team Help	Suse.



Create Account

By filling out and submitting this form, you acknowledge that you are creating one account that may be used to log in on NetIQ.com, Novell.com, and SUSE.com. The account information you provide below will be shared with NetIQ, Novell and SUSE solely for the purposes of validating your identity across these sites. <u>See our privacy policy for details</u>. Please do not create multiple accounts to access each company as it may restrict your ability to access locked resources.

→ <u>Help</u>

Basic Information

First Name*		
Last Name*]
Job Title*		
Company*		□ I am not associated with a company
Street Address*]
Address 2]
Address 3]
City*]
Zip/Postal Code*]
Country*	Select a Country 🗸 🗸]
State/Province*	No states or province 🗸	
Telephone*]
Email Address*		

Certain web sites require that your email be validated before you can access these sites. Once you access one of these sites you will be directed on how to validate your email address.

* Required Fields

Login Information

Username*	
Password*	
Repeat Password*	

Your password must be at least 6 characters long, contain at least one letter, and at least one number or special character. Valid letters are A-Z or a-z, numbers are 0-9, and special characters are ~!@#\$%^*()-_=[]{}|;:<>,?.

Security Question*		
Security Answer*		
Repeat Security Answer*		
	Create Login	



Registratie van de server



Om de registratie te starten kies in YaST voor Novell Customer Center Configuration.

Kies voor *Configure Now* om de server te registreren bij SUSE, vink hierbij aan om een registratie code op te geven.

2	Ya <mark>ST2</mark>	_ = ×	
Novell Custom	er Center Configuration		
			_ = ×
	Get technical support and product updates and manage subscriptions with Novell Customer Center.		
	Novell Customer Center Configuration		
	Configure Later		
	 Configure Now (Recommended) 		
	Include for Convenience		
	Hardware Profile		
	Optional Information		
	✓ Registration Code		
	Regularly Synchronize with the Customer Center		
	<u>A</u> dvanced ~		
	Registration Status		
	Hegistation States		
			and a second
Help	Abort	Back Next	
1998			
💻 Computer 🛛 🐴 🗎	YaST Control Center SYAST2	c()) 📃	Thu Dec 8, 11:09 AM 🔛



		YaS12	×		A
Mai	nual Interaction Requi	red			
A W	eb browser will start in wh configuration on the oper	ich to complete ned Web site.			
Nee	ded Information				
Per	sonal identification B-mail address	n (mandatory) with:			
• 7	Activation code for 1	SUSR Linux Enterprise S	erver 11 SP3 (mandatory		
10 1	egister your product mar	all con/conter/received	0/21 apreson allStanuid=308		
Info	rmation on Novell's Priva	cy Policy: ou manage your registered	systems.		
http	o://www.novell.com/compi	any/policies/privacy/textonly.h	ntml		
E	[Continue Cancel)		*
telp			Abort Back	Next	
		Virtualization			

Voor de registratie is de SLES Upgrade Key en zijn de gegevens van het SUSE-account benodigd.

Voer de benodigde gegevens in om de server bij SUSE te registreren:

- E-mailadres van het SUSE-account van de klant
- De registratiesleutel welke aangeschaft bij Unify
- Optioneel een beschrijving van het systeem

2		YaST2	_ = ×	
2	Mozi	la Browser (as suse-ncc)	_ = ×	- T ×
<u>Eile E</u> dit ⊻iew	Go			
4 4 5	8		0	
	Novell Customer C SUSE Linux Enterprise Server	enter System Registration		
	Please enter the following informat access to online updates.	ion to register your product. By completing this simple registration, yo	u will gain immediate	
	E-mail address:			
	Confirm e-mail address:	NUMBER OF STREET		
		Which e-mail address should I provide and why?		
	Activation code(s) for:			
	SUSE Linux Enterprise Server 11 SP3 (optional):	000000000000000000000000000000000000000		
		What if I don't know or have an activation code? $\textcircled{\begin{tmatrix} \hline \hline \end{tmatrix}}$		
	System name or description (optional):	Unity OpenScape Business telefooncentrale		
	Help >	Cancel ► Submit ►		10000
W 5000 Neural Inc. 40	Bieter Deserved			
Dana	repriz rezervez.		Socurity High	
Done			Security. High	
Computer	🐴 YaST Control Center	YaST2 Mozilla Browser (as s		Thu Dec 8, 11:29 AM



Log in met het al eerder aangemaakte SUSE-account.

2			YaST2		×		
		Mozi	lla Brows <mark>er (as s</mark> use-ncc)		_ = ×	_ 🗆 X	
<u>E</u> ile <u>E</u> dit ⊻	iew <u>G</u> o						
🔶 🧼 📫	7 🕄				0		
		Activate Product/S	ubscription				
		In order to get access to technical addresses or create a new compa subscription for uninterrupted acc	i support and patches and updates, any address. This information will a ress to technical support and patch	please log in to choose one of your ex iso be used to contact you about how es and updates.	kisting company to renew this		
		Login					
		Enter your Novell Customer Center	r credentials to view your list of co	mpany addresses.			
		User Name:	1				
		Password:					
			Login 🕨				
		Create a New Company Addre	·ss				
		To create a new company addres	s without logging in, click on the bu	fton below.			
		Create 🕨					Santa Carta da Carta da Carta da Carta
@ 2008 Novell, Inc	:. All Rights I	Reserved.					
Done					Security: High		
						1000	
💻 Computer		YaST Control Center	YaST2	Mozilla Browser (as s	a ()	Thu	Dec 8, 11:30 AM 🞇

Kies onder welke organisatie de server geregistreerd kan worden, en klik Continue.

2			YaST2		11.575		× U	
		Mo	zilla Browser (as	suse-ncc)			× ×	
<u>Eile E</u> dit <u>V</u> ie	ew <u>G</u> o							
💠 🌳 🚭	6						0	18666
		Activate Product/	Subscription	05.				
		In order to get access to technic	al support and patche	es and updates, pl	ease log in to choose one of your e	kisting company		
		addresses or create a new con subscription for uninterrupted a	ipany address. This in ccess to technical sup	formation will also port and patches	be used to contact you about how and updates.	to renew this		
		Number of servers your court	nnany nurchased ar	nd will be regist	ered under this code	1		
		Company Automa	iquity por classed in	no vili be regisi	ered dilder this code.			
		O Create New				Continue 🕨		
		And and Advances of						
		۲						
		Continue 🕨 🤇 Car	ncel 🕨					
an party should be	all Thomas I							
a toos moves, me	An register (100101						
Done						Security: High	<u>_</u>	
				1				
Computer		VaST Control Contor	Verta	10	Martilla Drowear (at a	ria	Th	Dec 9 11 33 ALA
- computer		a rasi controi center	10312		with the browser (as s	-14 U	10	u Dec o, 11.33 AVI



Kies voor Continue om de registratie uit te voeren.

					YaST2		_ = ×		and the second second
				Mo	zilla Brows <mark>er (as s</mark> use-ncc)		×	_ 🗆 X	
Eile	<u>E</u> dit	⊻iew 8	<u>G</u> o 🖸				0		
				Novell Customer	Center System Reg	stration			
				To complete the process of regi process. To proceed, click the (istering this system and getting acce Continue button.	ss to online updates, you need to finish	the registration		
				To change the registration or su time using the same credentials Center at <u>http://www.novel.co</u>	bscription information for this syster that you use to log in to your Novell <u>m/center</u> .	n, you can log in to the Novell Customer Login account. You can access the No	Center at any vell Customer		
				If you do not yet have a Novell I you used when registering this	login account, please create one an system.	d make sure that you use the same e-m	ail address that		
				To create the Novell Login acco	unt, access the Novell web site at <u>h</u>	tp://www.novell.com/createaccount.			
				For your convenience, you will	be sent a follow up e-mail with this i	nformation.			
						Continue 🕨			
@ 20	08 Novel	l, Inc. All	Rights R	teserved.					
Do	10						Security: High		
. 4									
	omput	er		YaST Control Center	YaST2	Mozilla Browser (as s	¢)	Thu	Dec 8, 11:36 AM 🧱

De registratie is voltooid, via de details kan ingezien worden tot wanneer ge-update kan worden.

8	YaST2		_ D X	THE REAL
Novell Customer Center	r Configuration		×	
Nev	Get technical support and product updates and mapping subscriptions with Movell Cristomer Cent VaST2 X ell Cur Co Novell Customer Center Configuration Co Vour configuration was successful.	ter.		
	Ontional Information	YaSTZ	×	
	Regist	ration Status		
	Registration Status at 2016-12-08 11:48:22 • Product SUSE Linux Enterprise Servi Subscription: active (full version) Expiry: 2019-12-08 11:48:18	er 11 SP3 (x86_64,)		
	Updated so	tware repositories		
Help	Software repositories did not need to be change	.d.		
			<u>Q</u> K	
📕 Computer 🧧 🐴 YaST Contr	ol Center YaST2		🕼 🔝 👘 Thu	Dec 8, 11:48 AM



Installatie Service Pack

Een update naar een hogere service pack is mogelijk via de Linux DVD (Patch CD) of direct via het internet. Bij gebruik van de DVD of een ISO bestand, mount deze op de server en kies in YaST voor Patch CD Update.

		YaST Centrol	Center	_ • ×
rosts Home	Filter patch () Groups Software	Software Contine Update	Patch CD Update	
Computer	VaST Control Center		do N	Thu Dec. 8, 558 PM

Kies 'Next' om door te gaan.





	YaST2	_ = ×		
Online Migration	1 Registration Check		_ = ×	
Preparation Welcome Registration Check Migration Updata Registration Finished	Registration Summary • Product SUSE Linux Enterprise Server 11 SP3 has a valid registration.			
/86_6412211	Ryn Registration	Next		

Voor de update naar het nieuwere service pack kan de registratie van Linux overgeslagen worden.

Kies om de update vanaf DVD uit te voeren, klik op 'Next'.

	YaST2		🗆 🗙	
Online Migration Preparation	🔁 Media Type			- x
 Registration Check 				
 Migration Configuration 	O Scan Using:	SLP		
Migration	 Specify <u>U</u>RL 			
Update Registration Finished	 ETP HTTPs HTTPs SMB/CIFS NFS CD DVO Hard Disk USB Mass S Local Director Lgcal ISO Im Z Download rep 	Storage (USB Stick, Disk) ory nage pository description files		
.86_6412211	Help	Abo <u>r</u> t	Back Next	
Computer 🛛 🐴 Ya	ST Control Center 🛛 🗍 YaST2		cj) 💌 🔜	Thu Dec 8, 5:58 PN



Kies voor continue, nadat de DVD geladen is.

0	YaST2	_ = ×	
Conline Migration Preparation ✓ Welcome ✓ Registration Check ► Migration Configuration Migration • Update • Registration • Finished	Va52 Media Type Scan Using SLP Speciry UPI (ancel Eject) Dyn Agrd Disk USB Mass Storage (USB Stick, Disk) Local Directory Local SD Image Dognload repository description files		- • ×
.85_6412211	Help Abor	t <u>B</u> ack <u>N</u> ext	
🖉 Computer 🔍 Y	aST Control Center 7 YaST2	cia 💌 💷	Thu Dec 8, 559 PM

Accepteer de licentieovereenkomst, klik op 'Next'.





Overzicht van de DVD, klik 'Next'

		Ya	S172			- = ×		
Online Migration	📶 Migra	tion Reposite	ories				×	
Dressention	The package	es will be switched	to versions in the se	ected repositories.				
Freparation	Selected	Name		URL				
 Welcome 	1	SUSE-Linux-Enterp	rise-Server-11-SP3 1	1.3.3-1.138 cd:///?de	vices=/dev/sr0			
Registration Check Migration Configuration	1	SUSE-Linux-Enterp	rise-Server-11-SP4 1	1 4.4-1 109 dvd///				
Migration								
migration.								
Update								
Registration								
ranshed								
			Select	Deselect				
	1000	-			(
	Help			Abort	Back	Next		
.86_6412211								

Overzicht van het product en de packages welke ge-update zullen worden, klik 'Next'

		YaST2		- = ×	
Online Migration	Distribution	Upgrade Settings ke changes or use the "CP	nange" menu below		_ = ×
Preparation Veloame Registration Check Migration Configuration Migration Update Registration Finished	Add-On Product • No add-on pro Update Options • Product SUSE • Download all p Packages • Packages to I • New Packages • Packages to F • Total Suze of P Backup • Create Backup	S S Suct selected for installation Linux Enterprise Server ackages before upgrade: [podate: 509 s to Install: 9 kemove: 1 ackages to Update: 1.5 Gl o of Modified Files o of /etc/sysconfig Director	n r 11 SP3 (SUSE_SLES) will be upgrad Disabled	ed	
06 6410041	Help	<u>C</u> hi	Abo <u>r</u> t Back	Next	
729_9412211					
Computer 🛛 🐴 Ya	ST Control Center	VaST2		c() 💌 🔜 👘	Thu Dec 8, 5:59 PM



Vervolgens kan de update gestart worden, klik 'Start Update'

Online Migration	Distribution Click a headline to n	YaST2 Upgrade Settings nake changes or use the "Cha	inge" menu below	- ¤ ×	- ¤ ×	
 Welcome Registration (Migration Cor Migration Update Registration Finished 	Confirm Update Information required to perform If you continue now, data on yo the previous dialogs. Go back and check the setting	YaSTZ an update is now complete. ur hard disk will be overwritter s if you are unsure.	n according to the settings in	aded		
		(Back Start Update			
	Help	Char	Abo <u>i</u> t Ba	ick Next		
x86_6412211						
Computer	VaST Control Center	YaST2		cj.) 💌 💷 📗	Thu D	ec 8, 6:00 PM

De installatie proces van de update wordt uitgevoerd.





Na het installeren van de updates is een reboot van het systeem benodigd.

riting the system configural up linker cache g SuSEconfig fonts g SuSEconfig permissions g SuSEconfig groff g SuSEconfig g SuSEconfig groff g SuSEconfig g SuSEconf	meL		
up linker cache. g SuSEconfig fonts g SuSEconfig permissions g SuSEconfig get/2 g	meL		
5	100%		
DSL.	ISDN		
s	DSL	100% Abor DSL ISDN	100% Abort Back Next SDN

Laat de server opnieuw registreren bij Novell.





De repositories voor het nieuwe service pack worden opgehaald.

	YaST2		×		
Loading th	e Package Mana	ger		_ = ×	
 ✓ Load Source → Refresh Sour - Rebuild Cacl - Load Data 	s rces ne VaST2 Updating software reposito	x ries.			
Downloading: https:	//nu novell.com//susedat	ta xml gz?credentials=NCCcredentials			
Loading the Packad	te Manager	UN			
		25%			
	 Loading th Load Source Refresh Sour Rebuild Cacl Load Data 	Coording the Package Mana Load Sources Refueld Cache Load Data	Loading the Package Manager Load Sources Refresh Sources Rebuild Cache Load Data Vastz Updating software repositories Downloading: https://nu novell.com//susedata.xml gz?credentials=NCCcredentials 0% Loading the Package Manager	Loading the Package Manager Load Sources Refresh Sources Rebuild Cache Load Data VaST2 × Updating software repositories Downloading: https://nu.noveli.com//susedata.xml.gz?credentials=NCCcredentials 0% Loading the Package Manager	Loading the Package Manager Load Sources Refresh Sources Rebuild Cache Load Data VaST2 × Updating software repositories. Dewnloading. https://ruu.noveil.com//susedata.xmil.gz?credentials=NCCCredentials 0% Loading the Package Manager

Overzicht dat de registratie status (met het nieuwe service pack) voltooid is.

8		YaST2	- ¤ ×	
Online Migration Preparation Velcome Registration Check Migration Update Registration Finished	Novell Cus	Get technical support and product update manage subscriptions with Mineell Custom YaST2 X n configuration was successful. OK Details	s and ler Center.	- D X
788 <u>-</u> 5412211		Registration Status at: 2016-12-08 18:08:46 • Product: SUSE Linux Entreprise Sen Subscription: active (full version) Expiry: 2019-12-08 11:48:18	YaSTZ stration Status vver 11 SP4 (x86_64.)	×
	Help	Updated t Addad Bernice: nu_novell_com Brabled catalog: nu_novell_com:SLES11-SP Entpled catalog: nu_novell_com:SLES11-SP	ioftware repositories 4-Pool (nu_noveil_com) 4-Updates (nu_noveil_com)	
Computer 🔍 Ya	ST Control Center	VaST2	d) 💌 🔜	<u>OK</u> Thu Dec 8, 6.09 Ph



De service pack update (migratie) is voltooid.

	VaSTZ _ D X	
Conline Migration Preparation Velcome Registration Check Migration Configuration Migration Update Registration Finished	Migration Completed Congratulations! You have successfully finished the on-line migration. The whole system has been upgraded. It should be rebooted as soon as possible. Please visit us at http://www.noveil.com/linux/ Have a nice day! Your SUSE Linux Team	
/28_5412211	Help Abort Back Einish	Thu Dec 8, 6.09 PM 🖺

HERSTART DE SERVER



Het controleren van de SLES-release en Service Pack kan met: cat /etc/SuSE-release





Installatie van patches

Nu de server geregistreerd is bij Novell, kunnen de (security) patches geïnstalleerd worden. Om de het installeren van de patches te starten kies in YaST voor Update System.



Kies voor 'Continue Anyway' om de wizard te starten.





Linux zal zoeken of er updates beschikbaar zijn, vervolgens wordt het aantal getoond.



1. Via de knop 'Review' kunnen de details van de updates bekeken worden



2. Kies om de updates te installeren, hierbij wordt om het root password gevraagd, klik vervolgens op 'Authenticate'.





De packages worden gedownload en worden daarna geïnstalleerd.

2	YaST Control Center			
Filter update Groups Software	Software Online Update Patch CD Update			
P	Dewnloading X			
	https://nu.novell.com/repo/SRCE/SLES11-SP4-Updates/sle-11- x86_64/rpm/x86_64/freetype2-2.3.7-25.44.1.x86_64.rpm? credentials=NCCcredentials freetype2-2.3.7-25.44.1 (x86_64)			
	Cath Cath			

Melding dat de updates geïnstalleerd zijn.



HERSTART DE SERVER



Start normaals de update via Update System in YaST, dit omdat er nog meer updates beschikbaar zijn. Kies ook deze updates on te installeren op het systeem.

2	Upd	ate System	
The following u	odates are available:		
静 165 s	ecurity updates		
210 1	mportant updates		
4 triv	ial updates		1
Last undeter 1	ess than a minute ago		Refresh
Last update: L	and the second sec		