

Stratodesk NoTouch Center Quick Start Guide V1.1



Introduction to Stratodesk

Stratodesk, the leading global innovator in EUC management and OS software, is redefining endpoint computing by delivering a single endpoint solution for VDI, DaaS and IoT markets. Today's enterprises are moving beyond traditional desktops towards smart workplaces where the diverse network of endpoint devices will create interoperability and compatibility issues without a single unified endpoint solution.

Stratodesk's cutting edge Linux-based endpoint OS and management suite, NoTouch, is a next generation, hardware-agnostic solution that enables companies to cost-effectively manage their endpoints. Our solution works seamlessly across x86, x64 and ARM based hardware products (including Raspberry Pi) to provide a unified platform for your endpoints. It also increases endpoint security, simplifies user experience and allows customers to maximize the benefits of existing desktop hardware (Laptops, Thin Clients, PCs and ARM devices) through PC Repurposing.

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Stratodesk NoTouch Center Introduction

The Stratodesk Virtual Appliance is a 64bit Linux-based Virtual Appliance (VA) and is intended to be run on a virtualization platform (hypervisor), not on bare metal. The Stratodesk Virtual Appliance has been tested on various platforms, such as VMware ESXi, Citrix Hypervisor, Nutanix AHV, Microsoft Hyper-V, Microsoft Azure, VMware Workstation, VMware Player, VMware Fusion, Parallels Desktop and VirtualBox. You need a 64-bit system to run the Stratodesk Virtual Appliance

It contains an installation of NoTouch Center and a PXE network boot environment to boot up diskless machines into NoTouch OS plus an easy-to-use web-based administration interface to perform tasks such as updating or backing up the Virtual Appliance. For best performance either Google Chrome or Firefox is recommended.

The Stratodesk VA can be downloaded from our customer <u>portal</u>. The setup of the VA is very easy. You download it, you import it into your hypervisor, you boot it, set a password and an IP address. From then on, it is running, can be used and administered with your browser.

Stratodesk Virtual Appliance Prerequisites

The VA is pre configured so that it meets the minimum requirements - if you chose to modify, please do not go below these settings, especially make sure that the VA has at least 2 GB of virtual RAM. Larger installations are advised to assign at least 4 GB of RAM. Furthermore, the Virtual Appliance will only work with one configured network interface. Adding more virtual CPUs or CPU cores will indeed improve performance.

Deploy the Virtual Appliance

We have created detailed deployment guides for the following:

- VMware vSphere/ESXi
- <u>Citrix Hypervisor/XenServer</u>
- <u>Nutanix AHV</u>
- Microsoft Azure

We can also provide a vhd file for those customers using Hyper-v, and you then need to build a virtual machine around this file based on the <u>pre-requistes</u>.

First Time Boot

On first boot-up of the Virtual Appliance you will be asked to accept the EULA (End User License Agreement), and you will need to accept this to proceed.



Next enter your preferred administrator password and confirm this for a second time.

Stratodesk Virtual Appliance	
	Master Admin Password
	Set the new administrator password:
	< OK > <cancel></cancel>

Next go to the Advanced\Networking\Static and give the VA a fixed IP address, and click apply.

Now that a default password and network settings have been configured, all further configuration is done via the web browser.



Web Based Administration

The Stratodesk Virtual Appliance comes with an easy-to-use browser-based administration interface. Simply point the browser to the Virtual Appliance - the IP address is shown in the hypervisor console. So, for example when your IP address is 192.168.125.237, then point your browser to https://192.168.125.237.

When making a first connection to Stratodesk Virtual Appliance, a trusted SSL certificate will not have been installed, therefore the browser will display the usual certificate warning in more or less dramatic fashion. This is expected. Since you just set up the other system and most probably "own" the network, you can ignore this warning. You may of course buy a certificate from any trusted vendor and install in the VA.

Virtual Appliance Container Administration

The first task to complete is to update NoTouch Center. To do this use the link highlighted and enter the user 'admin' followed by the password you created when deploying the virtual appliance. Please note that only the admin account can access the Virtual Appliance Container Administration page.

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	stratodesk			
	Username Disense			
	LOGIN Did you forget your password?			
	Virtual Appliance (Container) Administration			

The Virtual Appliance Container Administration is typically the backend and is where you can add updates, create a backup, configure PXE, Configure the Cloud Xtension, firewall settings & power functions. These options are navigated by the menu on the left side of the screen.

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ر بروک stratodesk	Stratodesk Virtual Appliance		📤 васкир
OS images Image Management Management NoTouch Center File Store Maintenance and Diagnostics PXE Boot Overview Boot Configuration Boot Menu Editor VA Operation Configuration Gorfiguration Configuration Certificates Firewall System Information Certificates Maintenance Replication Cloud Xtension Password Reboot Shutdown Stratodesk distables distables distables	WELCOME The Stratodesk Virtual Appliance is your smart endpoint computing hub. A PC boot environment is present allowing to remote-boot client machines. Client OS Images are hosted here for both Norouch Center and the PXE boot stack. It can run as a satellite virtual appliance without NoTouch Center and the PXE boot stack. Cloud Xtension: Use it as a secure gateway in your DMZ/perimeter network to connect external clients with the internal real NoTouch Center appliance. Erjoy! This solution is designed to save you time and effort. Should you have questions, don't hesitate to contact us.		
Knowledge Base			Bin

To update NoTouch Center click 'Updates' under 'VA Operation' There are 3 possible updates that can be applied.

The first is the 'VA Update' and typically includes security updates. These updates are free to all customers regardless of whether an active maintenance subscription is in place or not. Select either the 'Check now' feature or download the update from the Stratodesk <u>Portal</u> To apply the update use the 'Upload/update .deb package option.

The next option is 'NoTouch Center' updates and are only available to customers with an active software subscription, and again are available to download from the Stratodesk <u>Portal</u> This is where Stratodesk add new features or performance improvements, and therefore more noticeable. To apply the update, use the 'Upload/update .deb package option.



For further detailed information on configuring PXE, then we've created the following <u>video</u> that walks through the PXE configuration in more detail.

If you wish to deploy the NoTouch Cloud Xtension the following <u>video</u> provides detailed information on how to do this.

Network Considerations/Requirements

When NoTouch endpoints boot for the first time they are looking for the hostname 'TCMGR' which is the default hostname of the virtual appliance. To speed up this process you will need to create a DNS 'A' record that can resolve the hostname 'TCMGR' to the IP of your Stratodesk virtual appliance. If you are using a Windows domain then a DNS server is likely to be in place. Creating a DNS 'A' record is straightforward and must be created on the DNS forward lookup zone.

👗 DNS Manager				
File Action View Help				
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 DNS DC Forward Lookup Zones msdcs. msdcs. msdcs. msdcs. msdcs. msdcs. Trust Points Conditional Forwarders 	Name msdcs sites tcp udp DomainDnsZones ForestDnsZones (same as parent folder) (same as parent folde	Type Start of Authority (SOA) Name Server (NS) Host (A) Host (A)	Data [326],, host 192.168.1.10 192.168.0.202 192.168.1.11 192.168.1.12 192.168.1.53 192.168.1.51 192.168.1.12 192.168.1.12 192.168.1.12 192.168.1.12	Timestamp static static 25/01/2021 12:00:00 static 14/05/2020 17:00:00 static static 15/05/2020 10:00:00 static 17/06/2020 08:00:00 14/05/2020 16:00:00

You can test if this has been setup correctly by sending a ping request to TCMGR. If successful, this should resolve to the correctly assigned IP address of the Stratodesk virtual appliance.

If you are planning to either live boot or install over PXE then you will also need to create DHCP scope options. There are only two options that need to be configured here.

Option 66 – IP address of the virtual appliance

Option 67 – Boot filename, which will either be pxelinux.0 for legacy BIOS or x64/syslinux.efi for UEFI based systems.

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File Action View Help				
← ➡ ☎ 📰 @ 🖦 🛛 🗊 🖑				
DHCP Ill dc.demo.tech Scope [192.168.1.0] demo Address Pool Address Leases Reservations Policies Server Options Policies Server Dytions Policies Server Options Policies Policies Server Options Policies Policies Server Options Policies	Option Name E 003 Router D 006 DNS Servers 015 DNS Domain Name 066 Boot Server Host Name 067 Bootfile Name	Vendor Standard Standard Standard Standard Standard	Value 192.168.1.1 192.168.1.10 192.168.1.128 pxelinux.0	Policy Name None None None None

NoTouch Center Configuration

NoTouch Center is where you configure our NoTouch OS endpoints but putting them into groups, configuring group settings & connections. To login for the first time, use the user 'admin' followed by the password you created when deploying the virtual appliance.

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← → Ĉ û ▲ Not Secure 192.168.125.237/easysdmin/logon/showLogon.	action stratodesk Select language: English *	x 🖬 🕸 🏇 🚱 🗄
	admin Password	
	LOGIN Did you forget your password?	
	Virtual Appliance (Container) Administration	

The first thing that should be done is to update the default client admin password. To do this click the red text shown in the example below.

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Stratodesk Manage F	Resources Reports Inventory	Ļ	۵: 🗈	*	•	2021-06-17 14:59:30
Search	Notification Center Please update your default client admin password under Important Parameters in the Configuration section.	OS Images	rged			

This password should be different from what has previously set when deploying the virtual appliance, and is the password used to access the configuration of the NoTouch OS endpoints. You can of course choose to keep this the same as the NoTouch Center login, or to change it to a different password.

It's also recommended that you change the 'URL Prefix' from being IP address based to a valid DNS name as shown in the example below. Once finished click 'Save'

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€£€] stratodesk	45.3 Manage I	Resources Reports Inventory	A 🏟 🗎 🐲 😝	2021-06-17 15:10:55
Search				
🔑 Tools				
1 Identify				
若 Tasks				_
V D My Devices	Pa I	Important Parameters:		
Group Settings			1vegdx2q710ewbyn	
Unassigned		VDI Client Administrator Password:	This is your devices local administration password. Please set it to use the local configuration of the devices. You can override it on group or device level.	
			https://ntc.stratodesk.local:443/easyadmin/	
V Static Profiles	+	URL Prefix:	Currently Used: https://192.168.125.237.443/easyadmin/	
Dynamic Rules	+		Base URL that your clients will use to contact this management software instance. Make sure it is valid or else you might lock your clients out. Please use a valid DNS name instead of just an IP address name.	
				-
		Reports:		
		Reports:	On	
		Inventory:		
		Peripheral Inventory:	On 🔲	
		Purge Inventory Data:	Purge Inventory Data	
		OpenH264:		
		Download OpenH264 Libraries::	Download Now	
		Fetched OpenH264 Libraries	No libraries have been downloaded yet.	Save

NoTouch Center Resources

This is an area of NoTouch Center where it is possible to upload items to NoTouch Center that can then be deployed automatically to NoTouch OS endpoints or is where you can view information about your NoTouch Center environment. These typically are as follows:

VDI Client Images – This is the area of NoTouch Center where you can upload firmware images that can then be pushed out to NoTouch OS endpoints. These replace the entire OS whilst maintaining the configuration, and these updates can be downloaded from the Stratodesk customer <u>portal</u>.

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Static Profiles	+	Upload OS I	mage:								
🔀 Dynamic Rules	+	Uploading of Please uploa	f large files, such as client ad .lfi files only.	images, may take some time. Please be patient! Do not click mo	e than once and do not hit the browsers "Back" button.						
				Drop	iles Here						

Support – This allows you to retrieve a NoTouch Center support file, backup/migration export or retrieve a client list of all devices connected to NoTouch Center.

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 € Identify ₹ Tasks 		Download Backup and Support I	nformation:						
 My Devices Unassigned 	Ľ	Support File	The "support file" contains important diagnostic information about your installation, such as runtime configuration, error logs get to include it when issuing support requests.	ind data	base erre	or logs.	Please o	lo not fo	
Static Profiles	+	Backup/Migration Export	A migration export is suitable for moving data from one installation to another. Migration export files can be imported in the Vi	rtual Ap	pliance a	adminis	tration a	rea.	
Dynamic Rules	+	Client List	The "client list" contains a list of all clients known to this instance, including MAC address, first/last contact time, installed OS in	nage, ar	id serial i	number	r.		

Certificates – VDI technologies like Citrix & VMware Horizon require the use of certificates, and NoTouch Center can be used to automatically distribute these to NoTouch OS endpoints. We've created a dedicated knowledge base <u>article</u> covering this topic. Simply upload the certificate files to NoTouch Center as shown below.

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Static Profiles	+	LATHINGS .	Ducu
🗱 Dynamic Rules	+	Upload Cartificate: Please upload.crt or.pem files only.	
		DropFilesHere	

Desktop Wallpaper – Should you wish to use a custom desktop wallpaper then upload the file, and then select the 'Uploaded Wallpaper' option in the 'Display' group settings.

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 My Devices Unassigned 	D	Stratoderk - So Much Nave than a This Client Solution	Stratodesk Pinklog		Ē	ī	
Static Profiles	+		Download		Dele	te	
🎲 Dynamic Rules	+	Upload Wallpaper: Please upload .jpg, .jpeg, .gif, or	png images only.				
			Drop Files Here				

Connection Icons – This allows you to use a non-standard image for any connection icon that is shown on the desktop. To use this feature, upload the image and in the connection that you wish to use this feature on, configure the 'Connection Icon Mode' to 'Favicon' 'Connection Icon Uploaded' to the icon you wish to use.

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Identify		Custom Connection Icons:				
 My Devices Unassigned 	Es :	ANT -	Stratedesk-lowe one		Ē	
Static Profiles	+	stratodesk	Download		Delete	
Dynamic Rules	+	Upload Connection Icon: Please upload .jpg, .jpeg, .gif, or .png i	mages only.			
			Drop Files Here			

Misc. Files – Stratodesk NoTouch Center supports the distribution of a limited number of complimentary 3rd party applications. These are typically applications like Citrix Workspace App, Firefox, Google Chrome, Microsoft Edge for Linux, Microsoft Teams, Zoom & Zoom VDI plugins for Citrix & VMware Horizon, and are deployed using the 'Extension' options in the 'Group Settings' Typically these files will be in a .deb format.

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Static Profiles	+	teams_1.4.00.7556_amd64.deb Download		Delet	e		
🗱 Dynamic Rules	+	zoom_amd64.deb		Delet	e		
		Upload File:					
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Scripts – Should you need to run a script on your NoTouch OS endpoints then you can update the script under this setting.

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Identify⅔ Tasks		Scripts								
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Static Profiles	+	opica	rne.							
🗱 Dynamic Rules	+			Dron Files Here						
				bruge near three						

Licences – This is where you can upload new licence files and get an overview of available licences in NoTouch Center.

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ر در المحکم stratodesk	4.5.13 Manage	Resources Reports Inventory			¢ 🗱 🗎	2021-06-22 11:28.07
LLCC Stratodesk Search ✓ Tools ③ Identify ☆ Tasks → My Devices → Unassigned ✓ Static Profiles ✓ Dynamic Rules	Manage VD	Resources Reports Inventory I Client Images Support Certificates Wallpapers Connection Installed Licenses: Installed Licenses: Endpoint (NoTouch OS) Imprivata SSO Integration Cloud Xiemsion Cloud Xiemsion Network Management Plus (SNMP, LLDP) IBM Iseries Client Client VPN Management Client Canadigm SSO Integration Disk Encryption (Endpoint) Disk Encryption (Endpoint)	In Icons Misc. Files Scripts Licenses Installed 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	About Used About Used About Usege Show Usage	Assignable Signable Assignable Assignable	Codes DEMO DEMO DEMO DEMO DEMO DEMO DEMO DEMO
		Upload License File:	Drop Files H	are		

Licences are not bound to the MAC address or serial number of the endpoint, so can be reused. Simply delete any licenced device from NoTouch Center, and its licence will become available for use on another device.

About – This gives you an overview of your NoTouch Center environment including software versions, hardware information and allows you to download the latest NoTouch Center SDK giving you access to the Rest API.

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free stratodesk	4.5.13 Manage	Resources Reports Inventory		¢	\$ °	B	-	•	2021-06-2211:42:26
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 ✔ Tools Identify ⅔ Tasks 		Product/Vendor Information:							
My Devices	Pa I	Product Version	4.5.13 - Emerald Bay (Latest: 4.5.13)						
Unassigned		Documentation	www.stratodesk.com/kb						
		Vendor	Stratodesk Corp., San Francisco, CA, USA Stratodesk Software GmbH, Klagenfurt, Austria, EU						
Static Profiles	+	Vendor Website	www.stratodesk.com						
Dynamic Rules	+	Vendor Support	support@stratodesk.com						
•••		Copyright	Copyright \otimes 2002-2021 by Stratodesk, all rights reserved.						
		Server Information:							
		Operating system	Stratodesk Virtual Appliance / Ubuntu 18.04.5 LTS Linux 4.15.0-143-generic						
		Virtual Appliance Version	1.0-642						
		System Architecture	amd64						
		Uptime Information	10:40:30 up 11:43, 0 users, load average: 0.07, 0.02, 0.00						
		Host Name	temgr						
		Preferred IP Address	192.168.125.237						
		IP Addresses	192.168.125.237						
		Active connectors	HTTP/80, HTTPS/443, HTTP5/8443						
		URL Prefix	https://ntc.stratodesk.local:443/easyadmin/						

NoTouch Center Group Settings

This is where the settings that will be applied to the device are configured, so typically include, keyboard layout, time zone & printer configuration etc. As there are a significant number of parameters that can be set, the optimum parameters have been enabled by default as shown in the example below.

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1 Identify		My Devices / Group Settings Dialogs Dialogs Dialogs Dialogs Dialogs Events/Printers Eventscripts Extension General Hotkey / PAL Server Security Services Time Wit/Mapplicant Wireles LAN X11 All Changed N	Input Non-Default	Networki	ing	
 My Devices Group Settings 		Administration				
Unassigned		Central Management: On Non-Standard Management URL:				
Static Profiles	+	Management URL Treatment: Prefer HTTPS, Allow HTTP			¥	
Dynamic Rules	+	Require Verification of SSL Certificate:				
		Search Management with Zeroconf: Off				
		Force Reboot after First Configuration Transfer: Off				
		Upload Essential Network Configuration: On				
		Upload Detected Bluetooth Devices: Off				
		Upload Detected WLAN Networks: Off				
		WebSocket Transport: On				
		Update (LFI) caching: Off				
		LFI cache device name:				
		LFI sharing password:			Θ	•
		Update Client: On				
		Management Announce Interval (Minutes): 60				

To turn a parameter on, click the slide bar and it will turn it on. To disable it, untick the checkbox next to the item, and the settings are automatically saved. We have also grouped the settings to make the settings easier to find.

If you wish to see the settings that have been applied, click the 'Changed' button to see what changes have been made beyond the default settings.

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ليزي) stratodesk	4.5.13 Manage	Resources Reports Inventory	2021-06-23 09:12:49
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My Devices Group Settings Unassigned		Input	
Static Profiles	+	Display	
🗱 Dynamic Rules	+	Multimonitor Mode: Merge/Extend	~
		Start Monitor Control Tool: Off Auto On	
		Services Stradowing Mode: On/Shared	*
		Screen Shadowing/Ask User at New Connection: On Screen Shadowing/Remind User of Running Remote Shadowing: On	
		Screen Shadowing Password:	٥
		Intrezone. Lurope/London	Ť

Most organisations won't put all their devices into a single group, but will instead put devices into groups based on country, city, office or department etc. In view of this it's possible to create subgroups that inherit the group settings from the parent group. To do this select the group from which you'd like to copy the group settings from and select 'Create Group' as shown in the example below.

6-2309:19:39 admin
Announce

The example below shows the 'Non-Default' settings for the group and displays where the inheritance has come from.

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Group Settings		└── My Devices>UK English	UKEIgisii	Ť
Static Profiles	+	Display		
Dynamic Rules	+	Start Monitor Control Tool:	Merge/Extend	~
		My Devices->On		
		Services		
		Screen Shadowing Mode: Mr Devices->On/Shared	On/Shared	~
		Screen Shadowing(Password: My Denices>****	•••••	Ø
		Time		
		Timezone: Mr Devices-EuropeTondon	Europe/London	~

It is also possible to make changes to the settings in this group and overwrite the inherited settings. Typically, you might do this to regional settings like keyboard layout & time zone. Once the changes have been made, click either 'Changed' or 'Non-Default' to review your changes.

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ldentify		My Devices /	/ienna / Grou	o Settings			Reveal ir	n Tree					E	3
 My Devices 	E I	Administration PXE Server	Audio Security	Dialogs Services	Display Time	Drives/Printers WPASupplicant	Eventscripts Wireless LAN	Extension X11	General All	Hotkey Changed	Input Non-Default	Networking		
Group Settings		Input												
Group Settings		My Devices>U	iyout: English							German			~	
Static Profiles	+	Time												
🎉 Dynamic Rules	+	Timezone: My Devices->Ex	ope/London						Eu	irope/Vienna			~	

Changes are not automatically pushed out to NoTouch OS endpoints. The default announcement interval is 60 minutes and is set under **'Administration'** in the group settings. For larger deployments you might want to consider increasing this number to reduce the amount of network traffic.

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Search ≁ Tools ③ Identify ¥Ξ Tasks	Co	Antiguration Value Restrictions Static Profile Import/Export My Devices / Group Settings Display Drives/Printers Eventscripts Extendion Ceneral Hotse Administration Adai Display Drives/Printers Eventscripts Extendion Ceneral Hotse PXE Server Scourity Services Time WPASupplicant Wineless LAN X11 All Change	Y Input Neworking
 My Devices Group Settings Vienna Group Settings 		Administration Central Management: Non-Standard Management URL:	
Unassigned	+	Management URL Treatment: Prefer HTTPS, Allow H Require Verification of SLC Certificate: Off Security Management, Jill Tanage for	HTTP v
🎉 Dynamic Rules	+	Seal of Hanagement with Zerodom Off Force Reboot after First Configuration Transfer: Off Upload Essential Network Configuration: On Upload Detected Bluetooth Devices: Off Upload Detected WLAN Networks: Off WebSocket Transport: On	
		Update (LFI) caching: Off LFI cache device name:	ø

In the event you want to announce changes to NoTouch endpoints outside of the normal announcement interval then this is possible by using the announce function as shown in the example below.

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stratodesk Manage Res	sources Reports Inventory								¢ 🏟	6 🖻	🇞 (I		: 09:49:39 pdmin
Search Config	guration Value Restrictions Stati	Profile Impor	t/Export								New Cor) [nounce
i Identify					Reveal in	Tree							
🚝 Tasks	My Devices / Group Setting Administration Audio	Dialogs	Display	Drives/Printers	Eventscripts	Extension	General	Hotkey	Input	Networki	ng		
- C My Devices	PXE Server Security	Services	Time	WPASupplicant	Wireless LAN	X11	All	Changed	Non-Default				
Group Settings	Administration												
Unassigned	Central Management:			I	On								

Static Profiles

Another way to apply group settings is with 'Static Profiles' and can be useful if you have multiple top-level groups and means that you don't have to keep creating your default settings and can also be applied to sub-groups. To create a 'Static Profile' click the + button and give the profile a friendly name.

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رب stratodesk Manage Resource	rces Reports Inventory								¢ ¢	: 🗈 🤹	•	
Search Configurati	tion Value Restrictions Stati	Profile Import	/Export							N	ew Connect	tion Announce
Identify [™] Tasks	My Devices / Group Setting	Dialogs	Display	Drives/Printers	Reveal in	Tree	General	Hotkey	Input	Networking		
> C My Devices	PXE Server Security Administration	Services	Time	WPASupplicant	Wireless LAN	X11	All	Changed	Non-Default			
Static Profiles + Dynamic Rules +	Central Management:	JRL:			On							

Just like with the standard group settings, you can make the changes you need and view them using the 'Changed' option.

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ر البروك stratodesk	4.5.13 Manage	Resources Reports Inventory	4 🗱 🖻 🀲	2021-06-23 10:27:16
Search	-	Configuration ACL Value Restrictions Import/Export	6 New Co	nnection Rename Delete
Identify		Group Settings		
Tasks		Administration Audio Dialogs Display Drives/Printers Eventscripts Extension General Hotkey	Input Networking	
> 🛅 My Devices	E :	PXE Server Security Services Time WPASupplicant Wireless LAN X11 All Charged	Non-Default	
Unassigned	_	Input		
 Static Profiles Default Static Profile 	+	✓ Keyboard Layout: UK English		~
Dynamic Rules	+	Display		
		V Multimonitor Mode: Merger/Extend		*
		Services		
		Screen Shadowing Mode: On/Shared		~
		Screen Shadowing/Ask User at New Connection:		
		Screen Shadowing[Remind User of Running Remote Shadowing: On		
		Streen Shadowing Password:		ø
		Time		
		Timezone: Europe/Landon		*

To apply a 'Static Profile' to a group, go to the 'Group Settings' of the group you wish to apply it to and select the 'Static Profile' you wish to apply and click 'Add'

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stratodesk Manage R	esources Reports Inventory	🗘 🌣 🖹 🇞 🗭 🙁 admin
Search Con	figuration Value Restrictions Static Profile Import/Export	New Connection Announce
 Identify ₹ Tasks 		
 > My Devices > My Devices > NoTouch OS Devices 	Assigned static Promies:	\$
Group Settings Unassigned	No Data Available in Table	
> 😯 Static Profiles +	Showing 0 to 0 of 0 Entries	Unassign
> 🎲 Dynamic Rules +		
	Add state Promie:	۰
	Default Static Profile	
	Showing 1 to 1 of 1 Entries	Add

Dynamic Rules

Dynamic Rules are like virtual groups and will assign a configuration to any managed device provided it matches the specified criteria. Unlike 'Static Profiles' that are assigned to a group, 'Dynamic Rules' are applied automatically. To create a 'Dynamic Rule' click the + sign and give it a friendly name.

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k stratodesk	45.13 Manage	Resources Reports Inventory								¢ ¢	: 🖹 🏖	2021-06-24 09:23:02
Search	с	Configuration Value Restrictions Static	Profile Import.	/Export							Ne	ew Connection Announce
Identify						Reveal in	Tree					
Tasks		My Devices / Group Settings Administration Audio	Dialogs	Display	Drives/Printers	Eventscripts	Extension	General	Hotkey	Input	Networking	
> 🛅 My Devices	E3 :	PXE Server Security	Services	Time	WPASupplicant	Wireless LAN	X11	All	Changed	Non-Default		
 Image: NoTouch OS Devices Image: Unassigned 		Administration										
		Central Management:				On						
> 🛠 Static Profiles	+	Non-Standard Management U	RL:									
Dynamic Rules	+	Management URL Treatment:						Prefer HT	TPS, Allow HTTP			~
		Require Verification of SSL Cer	tificate:			Off						

Just like with the standard group settings, you can make the changes you need and view them using the 'Changed' option.

← → C ☆ ▲ Not Sec	ure ntc.s	tratodesk.lo	cal/easyadmin/mai	in.action									*	> *	* 🕑 E
stratodesk	4.5.13 Manage	Resourc	es Reports	Inventory								¢ 💠	🖹 🍪	6	2021-06-24 09:47:25
Search		Configur	ration Value Rest	rictions Impor	t/Export										New Connection
Identify			HP t530 Printe	r Configuratio	on / Group Set	tings		Reveal in T	ree						
	-		Administration DXE Server	Audio	Dialogs	Display	Drives/Printers	Eventscripts Wireless LAN	Extension X11	General	Hotkey	Input Non-Default	Networking		
My Devices Group Settings Divienna			Drives/Printers	Security	Scinces						oningeo				
> 🗋 NoTouch OS Devices			Vrinter 1 Pri	inter Name:				Brother HL-1110) series						
Unassigned			Printer 1 Po	rt:							USB 1			~	
> 🛠 Static Profiles	+		✓ Printer 1 Wi	indows Printer D	river Name:			Brother HL-1110) series						
 V Dynamic Rules 	+														
 HP t530 Printer Config Settings 	guration														

Dynamic Rules are applied automatically if matching criteria is met. In the example below, we are automatically adding printers to HP t530 thin clients based on its 'DMI System Product' This information can be obtained by selecting the device in NoTouch Center, and then select 'Info' and then scroll down to the Hardware Information where you can locate the System Product information.

Configu	ration Info Actions Licenses Machine Certificate	s ACL Value Restrictions Static Profile Import/Export	Rename New Connection Unassign Replace Delete Rebott Shadow Web Access Anno	d ounce
	Hardware Information:			
:	Asset Tag:	8CG7411BNT		
	Machine Type:	x86_64		
	Processor Type:	x86_64		
	System Vendor:	HP		
	System Product:	HP t530 Thin Client		
	System Version:			
	System Serial:	8CG7411BNT		
	Motherboard Vendor:	НР		

Next apply that value to the 'DMI System Product' parameter. Once announced the value will then add a printer to all HP t530 thin clients.

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stratodesk Manage	Resources Reports Inventory	2021-06-2409-533
Search	Configuration ACL ValueRestrictions Import/Export Revealin Tree	Rename Delet
Tools	HP t530 Printer Configuration	
Tasks	Matching Criteria	
> My Devices	Owner E-mail Address:	
> D NoTouch OS Devices	Location:	
Unassigned	Description:	
~	Internal IP Address Pattern:	
> 🖤 Static Profiles +	External IP Address Pattern:	
 Z Dynamic Rules + 	Cloud Xtension Hostname:	
HP t530 Printer Configuration	Host Name Pattern:	
	Gateway Pattern:	
	Network Address/Subnet Mask (e.g. 10.0.0.0/24):	
	WLAN SSID:	
	Video PCI ID:	
	Network PCI ID:	
	Printer USB ID:	
	DMI System Product: HP t530 Thin Client	
	DMI System Vendor:	
	DMI System Serial:	

Connections

Stratodesk NoTouch Desktop can connect most popular VDI technologies including <u>Citrix</u>, <u>VMware Horizon</u>, <u>Azure Virtual Desktop</u>, <u>Nutanix Frame</u>, <u>Amazon Workspaces</u> & many others. We also include browsers like Firefox & Chromium, with options to deploy Google Chrome & Microsoft Edge for Linux using the 'Extension Module' More detailed connection configuration can be found on our knowledge base <u>https://www.stratodesk.com/kb/Main_Page</u>

To create a new connection click into the 'Group Settings' of the group you want to create the connection for, click 'New Connection' and give it a friendly name.

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The stratodesk Anage Resources Reports Inventory										: 🗈 🤹	2021-06-24 10.51:29
Search Con	figuration Value Restrictions Statio	Profile Impor	t/Export							Ne	w Connection
 Identify ₹Ξ Tasks 	My Devices / Group Setting	5			Reveal in	Tree					
	Administration Audio	Dialogs	Display	Drives/Printers	Eventscripts	Extension	General	Hotkey	Input	Networking	
My Devices	PXE Server Security	Services	Time	WPASupplicant	Wireless LAN	X11	All	Changed	Non-Default		
Group Settings Local Network	Administration										
> D NoTouch OS Devices	Central Management:				On						
Unassigned	Non-Standard Management	JRL:									

Next, set a connection mode for the VDI technology you'd like to connect to.

\leftrightarrow \rightarrow \bigcirc \bigcirc \land Not Sec	cure ntc.stra	todesk.local/easyadmin/main.action		★ 🔯 🕸 🏚 😰 E
stratodesk	4.5.13 Manage	Resources Reports Inventory		↓ ^{2021-06-24-10.54532}
Search	c	onfiguration ACL Value Restrictions Import/Export		Rename Redistribute Delete Announce
Identify Tasks Devices My Devices Group Settings	D	My Devices / Default / Citrix Desktop Connection Extended All Connection	Reveal in Tree Changed Non-Default	
		Connection Mode: Connection Target (Server/Application/): Username:	Please Set a Connection Mode Please Set a Connection Mode Active Directory	
> 🐨 Static Profiles	+	Password:	Amazon WorkSpaces (WSP) Audio Tool/Volume Control	
> 🎇 Dynamic Rules	+	Domain: Show Domain Entry Field: Working Directory:	Avaya Desktop Agent Centronger (SCEP client) CheckPolint VPN Chooser	
		Command:	Chromium Citrix Worksnare Ann Dif	

The example below shows how to configure a Citrix connection, but for most connection types, you will configure a 'Connection Target' & domain so that the user only has to enter their username & password. It's also possible to configure additional parameters so in the example below, there's the option to configure 'Citrix Workspace App' specific parameters.

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Search	Config	uration ACL Value Restrictions Import/Export			Rename Redistribute Delete Announce
 Identify Tasks My Devices Group Settings 	E2	My Devices / Default / Citrix Desktop Crine Workspace App Connection Extended All Clam Connection	Reveal in Tree		۵
		Connection Mode: Connection Target (Server/Application/): Username:	https://	Citrix Workspace App	~
> 😵 Static Profiles	+	Password:			٥
> 🗱 Dynamic Rules	+	Domain: Show Domain Entry Field:	Off		

It's also possible to set any connection to automatically start at system boot and set an 'Action After Exit' parameter. To view all configured parameters, click the 'Changed' button.

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stratodesk	ددیع Manage Resources Reports Inventory	🗘 🎎 📑 🎭 🔂 🔕 admin
Search	Configuration ACL Value Restrictions Import/Export	Rename Redistribute Delete Announce
Identify Tasks My Devices Group Settings Local Network NoTouch OS Devices Unassigned		
> 👽 Static Profiles	+ Z Connection Mode: Citrix W	/orkspace App 🗸
> X Dynamic Rules	+ Connection Target (Server/Application/):	
	Comain:	
	Show Domain Entry Field: Off	
	Automatic Start at System Boot: On	
	Action After Exit: R	Rebcot

Connecting Devices to NoTouch Center

If you've followed the steps in the earlier chapter for <u>Network Considerations/Requirements</u>, then newly installed NoTouch endpoints will automatically discover NoTouch Center using DNS and by default put themselves into the 'Unassigned' folder and can then be manually moved into the preferred group. However, it is possible to automate the process even more with the use of 'Automatic Assignment Rules' If a matching criterion is met, then the device will be placed into a group automatically and get it's configuration. There are many different 'Assignment Rules', but the example below shows the 'Network Address/Subnet Mask' rule so is particularly useful with organisations that use vLANs.

← → C ☆ A Not Sec	cure ntc.s	tratodesk.lo	ocal/easyadmin/main.action		★ 🛚 🕸 🕸 🕑 E
stratodesk	45.13 Manage	Resourc	ces Reports Inventory		↓ 🗱 🖹 🏖 🕞 🙁 admin
Search		Configurat	Assigned to:	/My Devices	
ToolsIdentify		,	Automatic assignment		Add Device Rename Create Group Delete Announce
Tasks			Automatic assignment:	On	
			Unique Group Key:	pvvnlnag	
Group Settings			Owner E-mail Address:		
- Local Network			Location:		
> 🇱 Group Settings			Description:		
> 🗋 NoTouch OS Devices			Internal IP Address Pattern:		
Unassigned			External IP Address Pattern:		
> 🐨 Static Profiles	+		Cloud Xtension Hostname:		
			Host Name Pattern:		
Dynamic Rules	+		Gateway Pattern:		
			Network Address/Subnet Mask (e.g. 10.0.0.0/24):	192.168.125.0/24	
			WLAN SSID:		
			Video PCI ID:		
			Network PCI ID:		
			Printer USB ID:		
			DMI System Product:		
			DMI System Vendor:		
			DMI System Serial:		
			Firmware modules:		

It's also possible to manually configure new devices to NoTouch Center using the first boot wizard. Firstly, Click 'Central Management'.



Next replace the 'tcmgr' part of the management URL with either the hostname or IP address of NoTouch Center and click 'Finish'.

3	Wizard	
Kg stratodesk		NTD000C29E5D023 192.168.125.236
Welcome!	Central Management	
Please complete the steps of this wizard to set up your device.	Management URL: https://ntc.s	stratodesk.local/ <mark>e</mark> asyadm
Skip wizard	E-Mail address:	Locate
	For e-mail based lookup your system administrator must have set	the DNS records correctly
Central Management	Client information (optional)	
	Location:	
	Owner:	
	Description:	
	Group assignment key:	
	Client host name:	
	Prev Finish	

If you've correctly configured the 'Automatic Assignment Rules' the device will appear in the correct group to get its configuration.

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stratodesk Manage	Resources Reports Inventory					
Search Co	earch Configuration Actions ACL Value Restrictions Info Licenses License Limits Import/Export					
Identify	My Devices / Local Network	Reveal in Tree				
 My Devices My Group Settings 	Administration					
 Cocal Network Croup Settings NTD000C29E5D023 	Firmware Pool URL (always): Firmware Pool URL (not used when via Cloud Xtension):					
NoTouch OS Devices Unassigned	Assigned to:	/My Devices	v			
> 🏵 Static Profiles +	Automatic assignment:	On 📃				
> 🎇 Dynamic Rules +	Unique Group Key:	pvvninag				

Firmware Updates

Stratodesk regularly creates new firmware so our customers can take advantage of the latest features introduced by our technology partners. Customers with an active software subscription in place can download firmware from our customer <u>portal</u>. Please be aware that there are options for both x64 or ARM depending on the hardware as well as kernel versions which might vary depending on the hardware age.

Firmware uses the .lfi extension and is a complete OS update rather than in component format. This file can then be uploaded into NoTouch Center under 'Resources\VDI Client Images'.

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stratodesk	4.5.13 Mana	ge Reso	ources Reports Invento			¢	\$ °	₿	*	6		11:39:17 dmin
Search		VDI Clie	ent Images Support Certific	ates Wallpapers Connection Icons Misc. Files Scripts Licenses About								
 Identify ₹≡ Tasks 			OS Versions:									
My Devices My Dovices NoTouch OS Devices	E1		Delete	Name N 3.3.1-EE+k510-x64-210520 1	umber of Clients I Show Usage							
Static Profiles	+		Upload OS Image:	r effect in war, much has remaining. Draw has united 10 and efficience that area and do not bit the branesses	r "Rack" hutton							
> 🗱 Dynamic Rules	+		Please upload .Ifi files only.	s crent images, may cake some time, Prease be partente do not crick more than once and do not int the oforware	s Back Dutton.							
				Drop Files Here								

Firmware can be deployed either directly to a NoTouch OS endpoint or to a group of devices, but the process is the same. In the group settings scroll down to 'Client OS Image' and choose the image you wish to deploy. Next select the 'Client OS Image Update Mode' and announce the changes to begin the update process.

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stratodesk	4.5.13 Manage	Resources Re	teports Inventory		¢ ¢:	8	20 C)				
Search		Configuration Valu	ad Essential Network Configuration: Iue Restrictions Static Profile Import/Export ad Detected Bluetooth Devices:				New Cor	nnection Ann	C nounce		
Identify		Uploa	ad Detected WLAN Networks:	Off							
🔚 Tasks		WebS	Socket Transport:	On							
V Da My Devices	P 2	Updat	ate (LFI) caching:	Off							
> 🔅 Group Settings		LFIca	ache device name:								
- 🗋 Local Network		LFIsh	haring password:				•	Θ			
> 🔅 Group Settings		Updat	ate Client:	On							
> 🖵 NTD000C29E5D02	23	Mana	agement Announce Interval (Minutes):	60							
NoTouch OS Devices		Concu	current Update Limit:	0							
Onassigned		Image	te Version:	Default: Whatever is Currently Installed				~			
> 🐨 Static Profiles	+	Image	te Class:	Default: Whatever is Currently Installed				~			
Dynamic Pulae			-	Image	te Kernel:	Default: Whatever is Currently Installed				~	
/ A Dynamic Rules	÷	Image	e Architecture:	Default: Whatever is Currently Installed				~			
		🗸 Client	nt OS image:	3.3.1-EEs-k510-x64-210520				~			
		🗸 Client	nt OS Image Update Mode:	Never				~			
		Show	vupdate notice:	Never At Announce							
		IP Ade	ddress to Use:	At Reboot							
		Mond	days - No Update From:	No setting				~			

In the event you are running different kernel or hardware architecture versions like x64 or ARM, then you might want to consider using the 'Image Version' instead. With this option NoTouch Center will automatically work out which firmware version needs to be sent to each device. However, you will need all firmware types uploaded to NoTouch Center for this to work correctly.

Other firmware deployment methods are available including Peer & Cascading updates. Please refer to the following technical <u>blog</u> for further information.

Other Resources

What is TCMGR and How do You Configure It?

How Stratodesk Software Works from a Helpdesk Perspective

Stratodesk Introduces MFA to NoTouch Center

REST API and the SDK Package in NoTouch Center 4.5 "Emerald Bay"

Please visit our <u>Knowledge Base</u> for more information.