



Extreme Automated Campus

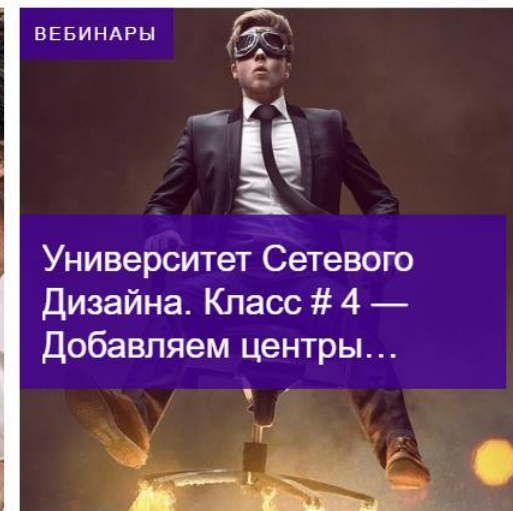
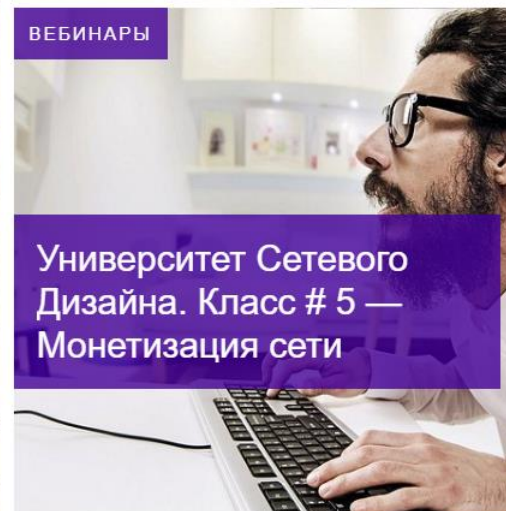
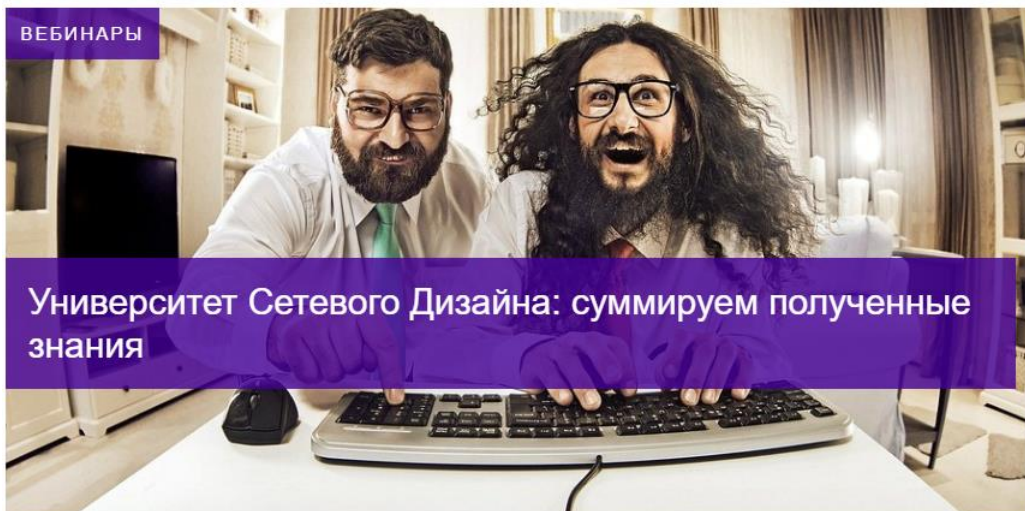
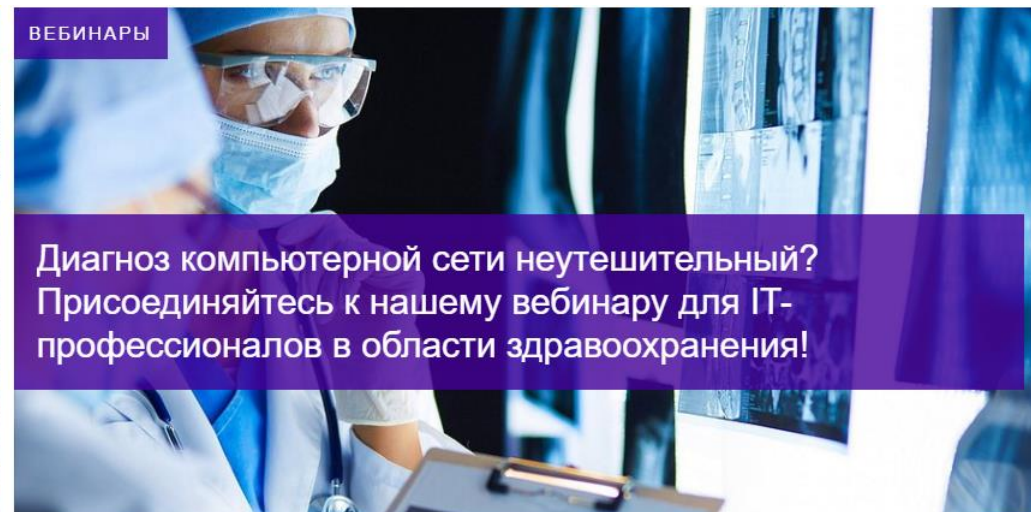
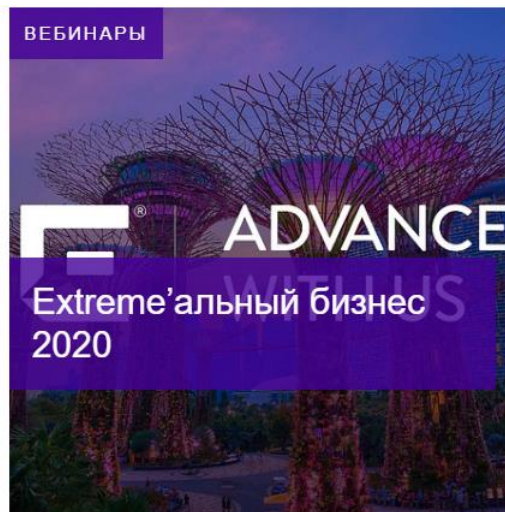
Система управления ХМС и ее применение для технологии Fabric Connect

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Предыдущие вебинары

<https://ru.extremenetworks.com>



Что такое технология Fabric Connect?



Современная технология виртуализации сети (Fabric Network):

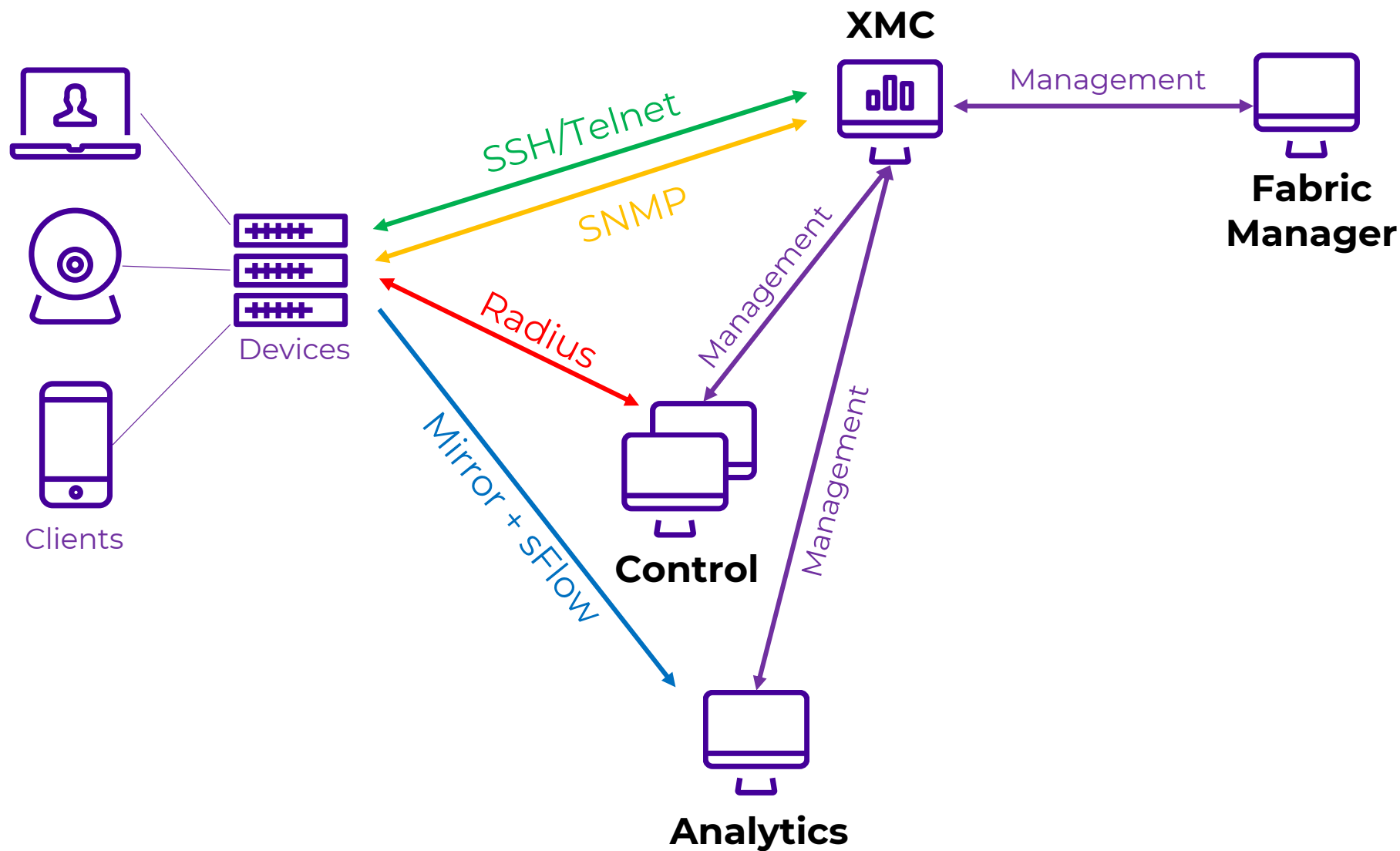
- Сервисы абстрагированы от инфраструктуры
- Пользовательский трафик не влияет на инфраструктуру
- Сервисы работают по принципу «Ships in the night»



Особенности технологии:

- Использование Ethernet Switched Paths
- Абстракция сервисов L2/3
- Control Plane - IS-IS
- Нет «контроллера»
- ISIS это underlay и overlay

ХМС как многокомпонентная система



Лицензирование Fabric Manager



- Мониторинг и визуализация сервисов VSN на карте
Не лицензируется. Достаточно лицензии уровня NMS-BASE-XXX
- Глобальное создание новых сервисов VSN
Необходима лицензия уровня NMS-ADV-XXX

Extreme Management Center™

In this overview we are providing information about perpetual licenses for all applications included in the Extreme Management Center. For information on Per-User Subscription Pricing see our Per-User Subscription Pricing Sell Sheet.

Extreme Management Center is a suite of applications integrated into a single pane of glass:

- ExtremeManagement
- ExtremeControl
- ExtremeAnalytics
- ExtremeCompliance
- ExtremeConnect

Feature Matrix for All Licenses in Extreme Management Center XMC (in Release 8.2 and Later)

Feature Tab	Feature Domain	Sub-Feature	Comment	XMC Suite				Subscription
				NMS-BASE-XXX	NMS-XXX	NMS-ADV-XXX	XMC App SKU	
Network Tab	Hardware	Appliance for NMS	Physical appliance with 5000 node support	Add 86100	Add 86100	Add 86100		Add 86100
			Physical appliance with 10K device support	Add 86101	Add 86101	Add 86101		Add 86101
	Network Dashboards	Single Pane of Glass Overview of the network		Y	Y	Y		Y
		Impact Analysis	Provides a comprehensive view of actionable insights	Y	Y	Y		Y
		Inventory & Capacity	Historical device & asset tracking dashboard	Y	Y	Y		Y
	Discovery	Discovery	Requires neighbor protocols (LLDP) and SNMP	Y	Y	Y		Y
		Site & Device Group level Management	Ability to group devices into sites or by other criteria	Y	Y	Y		Y
		Topology (Standard Maps)		Y	Y	Y		Y
	Network Discovery & Reporting	Device View	A unified view of all elements of a device - typically	Y	Y	Y		Y
		Device Bandwidth Reports - Per Device, Per group of Devices, Per site	Also known as FlexReport		Y	Y		Y
		Flex Views (more than 30 views available)	FlexView is an organized representation of data	Y	Y	Y		Y
		Element Management - Launch on device		Y	Y	Y		Y
		Campus Fabric Discovery and Monitoring	Ability to discover, visualize and monitor Fabric	Y	Y	Y		Y
		Configuration Archives and support for multiple archives	Can be scheduled, available for one or group of devices (e.g. site)	Y	Y	Y		Y
		Configuration Restore & Compare	Between two archives of a single device	Y	Y	Y		Y
	Network Configuration	Firmware Upload/Download/Reference image	Can be scheduled	Y	Y	Y		Y
		Configuration Deploy thru Scripts (Includes a few built-in scripts)	Can be scheduled. Custom scripts can be added. Can be done for one or group of devices (e.g. site).	Y	Y	Y		Y
		Built-in scripts for VLAN Management - create, modify,		Y	Y	Y		Y
		Site Configuration - Site wide VLAN configuration, Port Templates		Y	Y	Y		Y
		Device Pre-provision (Zero Touch Deployment)		Y	Y	Y		Y
		Campus Fabric Provisioning	Ability to provision Fabric Connect services	Y		Y		Y
	Network Monitoring	Monitor Traps & Syslog from Devices		Y	Y	Y		Y
		Use pre-defined alarms or create new ones		Y	Y	Y		Y
		Execute actions on alarms		Y	Y	Y		Y
Governance Tab	Compliance	Clear Alarms		Y	Y	Y		Y
		Dashboard - historical reporting & compliance scores		Y	Y	Y		Y
		Standard Audit Tests - PCI, HIPAA, GDPR		Y	Y	Y	Add 8610X	Y

Требования VM Fabric Manager



- Устанавливается и настраивается при помощи ZTP+
- Образ VM можно скачать с support.extremenetworks.com
- Требования к аппаратной части:
 - 4 CPU
 - 9Gb Memory
 - 60Gb Disk
- Обновляется штатным функционалом XMC “Firmware”

DEMO

