



# SharePoint в конфигурации Multi-tenancy

December 1, 2015

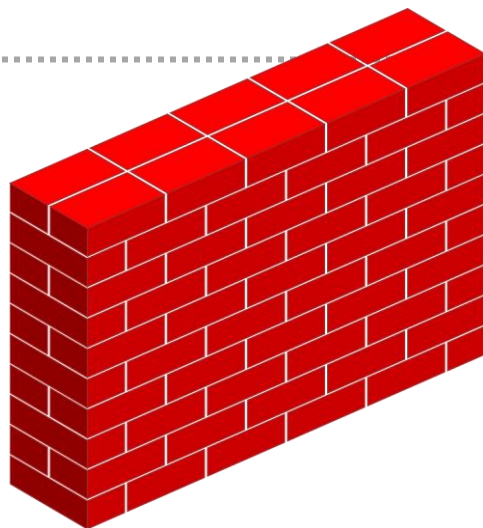
**Kentor**

# Задача



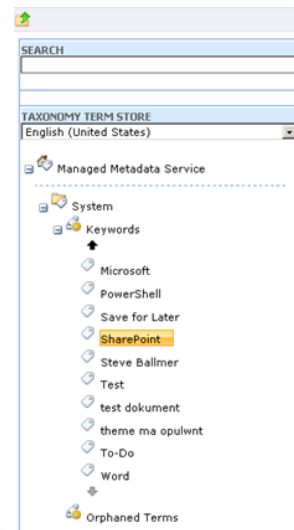
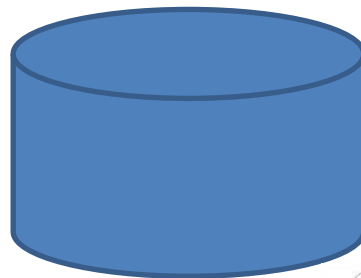
- Внутренняя совместная работа сотрудников профсоюзов
- Совместная работа с участниками профсоюзов

# Челлендж



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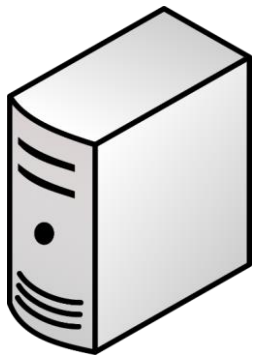
- Ann Bjurholt  
Assistent/Ledning
- Ann Carlsson - 01  
Assistent
- Ann Hellberg  
Förtroende vald
- Ann Wedefelt
- Anna Erixon  
ombudsman



# Kentor

# Вариант «Выделенный сервер»

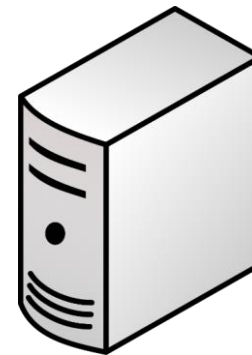
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Tenant 1 Farm



Tena



Tenant #N Farm

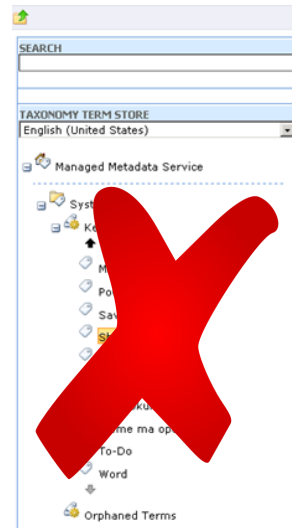
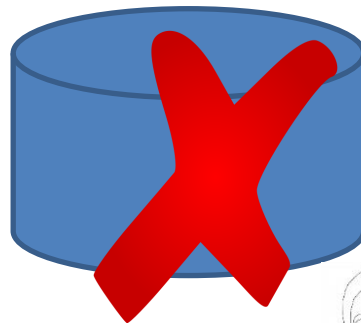
# Вариант «Выделение приложений»

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Веб-приложения	Приложения-службы
Веб-приложение 1	Приложение службы профилей 1 Приложение службы поиска 1 Приложение службы метаданных 1
Веб-приложение 2	Приложение службы профилей 2 Приложение службы поиска 2 Приложение службы метаданных 2
....	
Веб-приложение N	Приложение службы профилей N Приложение службы поиска N Приложение службы метаданных N

# Вариант «Выделение семейств сайтов»

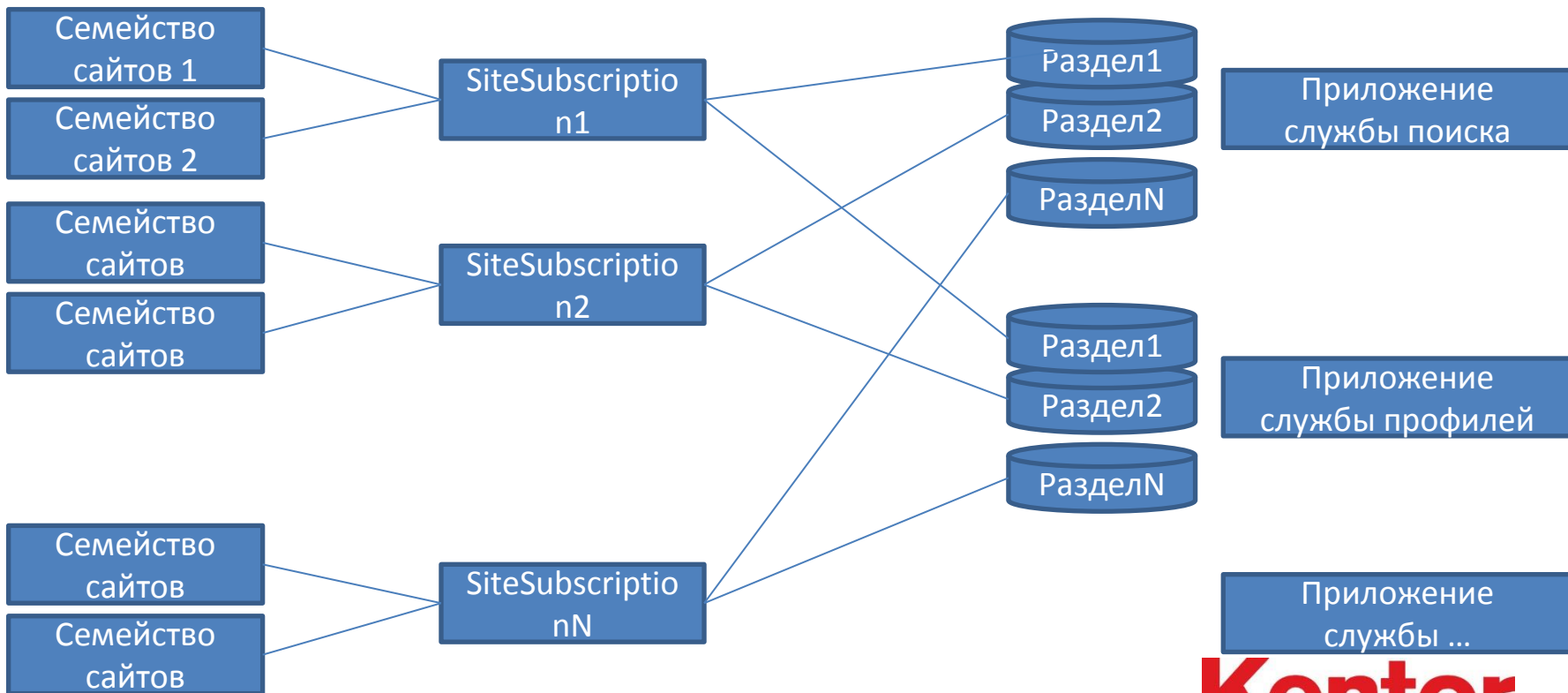
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# Вариант «Multitenancy»

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# Возможности, которые мы получили

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- Host Named Site Collections вместо Path Based Site Collections
- Поиск
- Профили
- Подстановка пользователей
- Банк метаданных
- Права приложений (Set-SPAppPrincipalPermission)
- App prefix
- Концентратор типов контента



# Общий подход к настройке

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- Обычная настройка SharePoint
- Создание приложения службы подписки (subscription service) + запуск службы на WFE
- Создание приложений служб с параметром -Partitioned PowerShell
- Создание подписок (SPSiteSubscription)
- Создание семейств сайтов с параметром –SiteSubscription
- Дополнительные настройки каждой подписки

# Приложения службы

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- Stores tenant data:
  - Managed Metadata
  - User Profiles
  - Business Data Connectivity
  - SharePoint Search
  - Secure Store
  - Word Automation
  - Machine Translation
  - Usage and Health Data Collection
  - Performance Point

<https://technet.microsoft.com/en-us/library/dn659287.aspx>

# Создание приложения службы поиска

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- `$searchServiceApp = New-SPEnterpriseSearchServiceApplication -Partitioned -ApplicationPool <>`
- `New-SPEnterpriseSearchServiceApplicationProxy -Partitioned -SearchApplication $searchServiceApp`

# Подключение к службе приложения профилей

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- `Add-SPSiteSubscriptionProfileConfig`
  - `-id $sub`
  - `-SynchronizationOU <tenantOUName>`
  - `-MySiteHostLocation`  
[http://\\$tenantUrlName/mysite](http://$tenantUrlName/mysite)
  - `-MySiteManagedPath "/mysite/personal"`
  - `-SiteNamingConflictResolution "None"`
  - `-ProfileServiceApplicationProxy $upaProxy`

# People Picker filter

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- `Set-SPSiteSubscriptionConfig`  
  `-id $sub`  
  `-UserAccountDirectoryPath`  
  `'OU=Users,DC=domain,DC=name,DC=local'`

# Подключение к службе приложения метаданных

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- `Set-SPSiteSubscriptionMetadataConfig`  
-identity \$sub  
-serviceProxy \$mmsProxy  
-HubUri  
`http://$tenantUrlName/sites/contentTypeHub`  
-SyndicationErrorReportEnabled

# Apps prefix

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- `Set-SPAppSiteSubscriptionName`
  - `-SiteSubscription $sub`
  - `-Name "tenant1"`

App URLs will be based on the following pattern: <app prefix> - <app id>.<app domain>

## App domain

The app domain is the parent domain under which all apps will be hosted. You must already own this domain and have it configured in your DNS servers. It is recommended to use a unique domain for apps.

App domain:

## App prefix

The app prefix will be prepended to the subdomain of the app URLs. Only letters and digits, no-hyphens or periods allowed.

App prefix:

# Создание подписок и семейств сайтов

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- `$sub = New-SPSiteSubscription`
- `New-SPSite http://<>`  
`-SiteSubscription $sub`



# Сайт администрирования

The screenshot shows the SharePoint Administration Site interface in a Windows Internet Explorer browser window. The address bar displays the URL <http://www.contoso.com/adr>. The page title is "Home - Contoso Administration Site - Windows Internet Explorer".

The main navigation bar includes "SharePoint" on the left and "Newsfeed", "SkyDrive", and "Sites" in the center. On the right, there is a user profile for "administrator" with a dropdown arrow, and icons for settings, help, and a smiley face. Below the navigation bar, there are "BROWSE" and "PAGE" options, and "SHARE", "FOLLOW", and a print icon.

The main content area features a "Home" header with a blue icon of three people. To the right of the header is a search box labeled "Search This Site...". Below the header, there are three main sections:

- Home**: A sidebar menu with "Home" (selected) and "Site Contents".
- SharePoint Sites**: Represented by a folder icon, with the sub-menu "Manage Site Collections".
- Marketplace**: Represented by a gear icon with a checkmark, with sub-menus: "Manage App Catalog", "Purchase Apps", "Manage App Licenses", "Configure Store Settings", and "App Permissions".
- System Settings**: Represented by a gear icon with a checkmark, with sub-menus: "Configure InfoPath Forms Services", "Configure Send To Connections", "Manage InfoPath Forms Services Web service proxy", "Term store management", "Manage Search", and "Manage User Profile Application".

The bottom right corner of the browser window shows a zoom level of "100%".

# Feature pack

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- `$sfp = New-SPSiteSubscriptionFeaturePack`
- `Add-SPSiteSubscriptionFeaturePackMember`  
`-identity $sfp`  
`-FeatureDefinition AbuseReportsList`
- ...
- `Set-SPSiteSubscriptionConfig`  
`-id $sub`  
`-FeaturePack $sfp.ID`

# Демо

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Тенант	Контент	Центр поиска
	/	/sites/search
#1	/sites/tenant1	/sites/tenant1search
#2	/sites/tenant2	/sites/tenant2search

# Синхронизация профилей

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- `Add-SPSiteSubscriptionProfileConfig`  
  `-id $sub`  
  `-SynchronizationOU <tenantOUName>`
- Пример неподходящей структуры:

Root OU

  Tenant1

    System

    Users

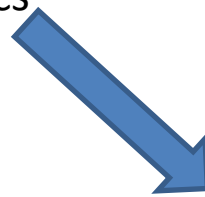
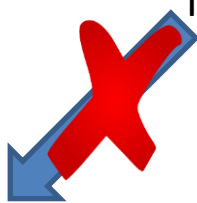
  Tenant2

...

# Управляемые свойства поиска



<http://tenant1/docs>



joy  
love  
sadness  
anxious  
afraid  
lust  
envy  
rapture  
angst  
gratitude  
jealous  
confident  
compassion  
awe  
relief

wonder  
wonderful  
grief  
energetic  
dread  
empathy  
disgust  
apathy  
sympathy  
sweaty  
stupid  
cold  
ashamed  
hungry  
happy

helpless  
hopeful  
merciful  
lucky  
content  
pity  
vulnerable  
guilty  
hated  
sleepy  
anger  
bored  
certainty  
tired  
irritated

embarrassed  
surprised  
amused  
horrified  
excited  
annoyed  
proud  
nervous

joy  
love  
sadness  
anxious  
afraid  
lust  
envy  
rapture  
angst  
gratitude  
jealous  
confident  
compassion  
awe  
relief

wonder  
wonderful  
grief  
energetic  
dread  
empathy  
disgust  
apathy  
sympathy  
sweaty  
stupid  
cold  
ashamed  
hungry  
happy

helpless  
hopeful  
merciful  
lucky  
content  
pity  
vulnerable  
guilty  
hated  
sleepy  
anger  
bored  
certainty  
tired  
irritated

dizzy  
longing  
relaxed  
embarrassed  
surprised  
amused  
horrified  
excited  
annoyed  
proud  
nervous

Глобальное  
администрирование поиска

Администрирование поиска  
подписчика

**Kentor**

# Перепривязка сайт-коллекции к другой подписке

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# O365

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- Admin
- Функции

# Узнать больше о Multi-tenancy

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- <https://technet.microsoft.com/en-us/library/dn659286.aspx>
- <https://technet.microsoft.com/en-us/library/dn659287.aspx>



Спасибо!

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**Kentor**