Keys to Successful SharePoint Administration for the DBA

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About me

- Collaboration Practice leader at InfoWorks Inc.
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- DanielGlenn.com
- User Group leader x2
- Nashville SharePoint & SQL Saturdays

InfoWorks

www.InfoWorks-TN.com

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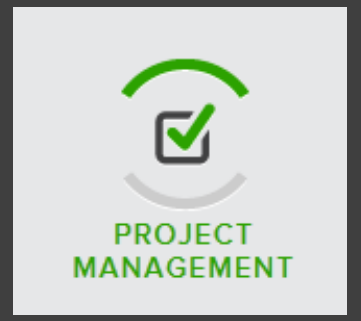


PMP-certified Project Managers, PMO standards and procedures

About you

- Database administrators
- Business users
- Developers
- SharePoint administrators

SharePoint experience?

Agenda

- What is SharePoint?
- Common Misconceptions
- Keys for SharePoint Administration
- Frequent Tasks
- Training & Resources

Not covered: Tuning SQL Server for SharePoint – Nashville SQL User Group Session ↗

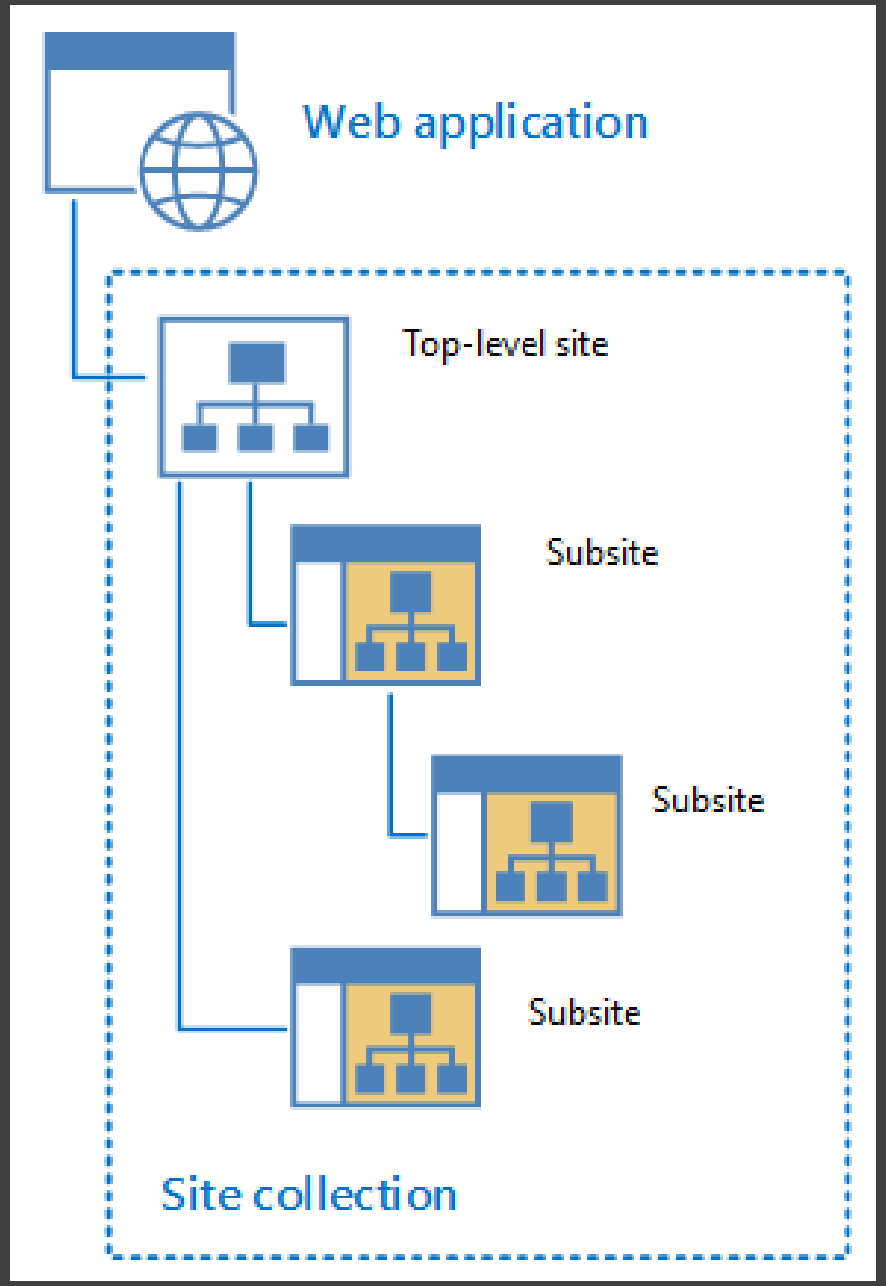
WELCOME TO BEAUTIFUL
SHAREPOINT

What is SharePoint?

SharePoint

- SharePoint is a valuable tool that delivers enterprise document management, business intelligence, web content management, search, and social capabilities
- There are different versions and deployment options
  - Foundation, Standard, Enterprise; on-premises, cloud, hybrid
- MS SQL is SharePoint's data store for almost all components
- What is a 'SharePoint farm?'
- A Site Collection?

SharePoint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Top-level site
Subsite
Subsite
Subsite
Site collection

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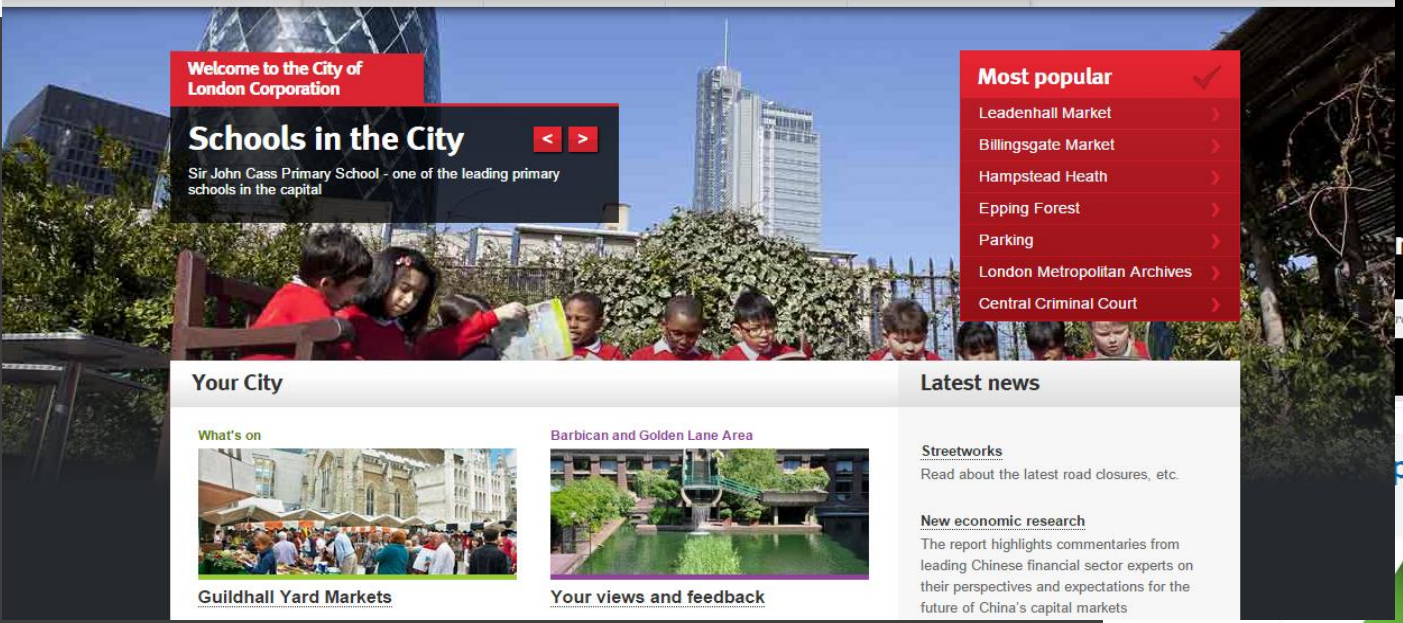

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Common SharePoint Misconceptions

Misconceptions

1. SharePoint is a horrible, evil thing
   - Slow
   - Resource hog
   - Databases & logs are out of control
   - Difficult to use

FACT: SharePoint is awesome! All of the above can be fixed.

Misconceptions

2. SharePoint administrators need SQL Server rights

FACT: Never give SharePoint administrators direct access to SQL

SQL Permissions

Permissions for SharePoint administrators & service accounts

- SharePoint admins themselves do NOT need permissions within SQL
- The **service account** used to install SharePoint needs:
  - **securityadmin** and **dbcreator** SQL Server roles during setup and configuration

SQL Permissions

Permissions for SharePoint administrators & service accounts (cont)

- The service account that is the Farm service account will be provisioned automatically during farm creation to have:
  - **dbcreator** and **securityadmin** fixed server roles.
  - It will also be the **db_owner** for all SharePoint databases.
- Other service accounts will be added to new roles on SharePoint databases

  To learn more: http://technet.microsoft.com/en-us/library/cc678863(v=office.15).aspx

Misconceptions

3. You can install SharePoint & then leave it alone

FACT: SharePoint needs a babysitter, just like all other advanced systems

Misconceptions

4. SharePoint is FREE!

FACT: There is a free* version (for now), but you must license Windows & SQL properly

Misconceptions

5. SharePoint is expensive!

FACT: Depending on your situation, other options are available - Online hosting, Foundation, using Standard vs. Enterprise

Keys for SharePoint Administration

Keys for SharePoint Administration

- Know it
- Know what you have
- Stabilize
- Secure
- Maintain

Keys for SharePoint Administration

Know it

- Architecture
- General Capabilities
- Licensing
- Securing

Keys for SharePoint Administration

Know what you have

- Configuration
- Updates
- Add-ons
- Processes and Users

Keys for SharePoint Administration

Stabilize

- User Experience
- Backups
- Common Issues

Keys for SharePoint Administration

Secure

- Principle of least privilege
- AD vs. SharePoint groups
- Monitor activity, including changes to security

Keys for SharePoint Administration

Maintain

- Test backups
- Monitor performance and utilization
- Educate
- Patching
  - Todd Klindt: 2013 Build Numbers

Frequent Tasks

Frequent Tasks

- Creating sites
- Restoring content
- Moving/Splitting sites
- Planning for changes (read: upgrades and installations)
- Training
  - #SPHelp

Training & Resources

Training & Resources

Training

- Microsoft:
  - Virtual Academy
  - Channel9 (Ignite)
  - TechNet Virtual Labs
  - TechNet SharePoint
- Pluralsight
- CritialPath

Training & Resources

Resources

- Office 365 Trial
- App Store
- ULS log viewer
- SPDocKit
- Metalogix
  - Backup
  - Security, Compliance, Administration
- Books
  - Professional SharePoint 2013 Administration
  - SharePoint 2013 For Dummies

Thank you!

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