

# Keys to Successful SharePoint Administration for the DBA

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SQL  
Saturday  
Chattanooga  
2016



## About me



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





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# 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?

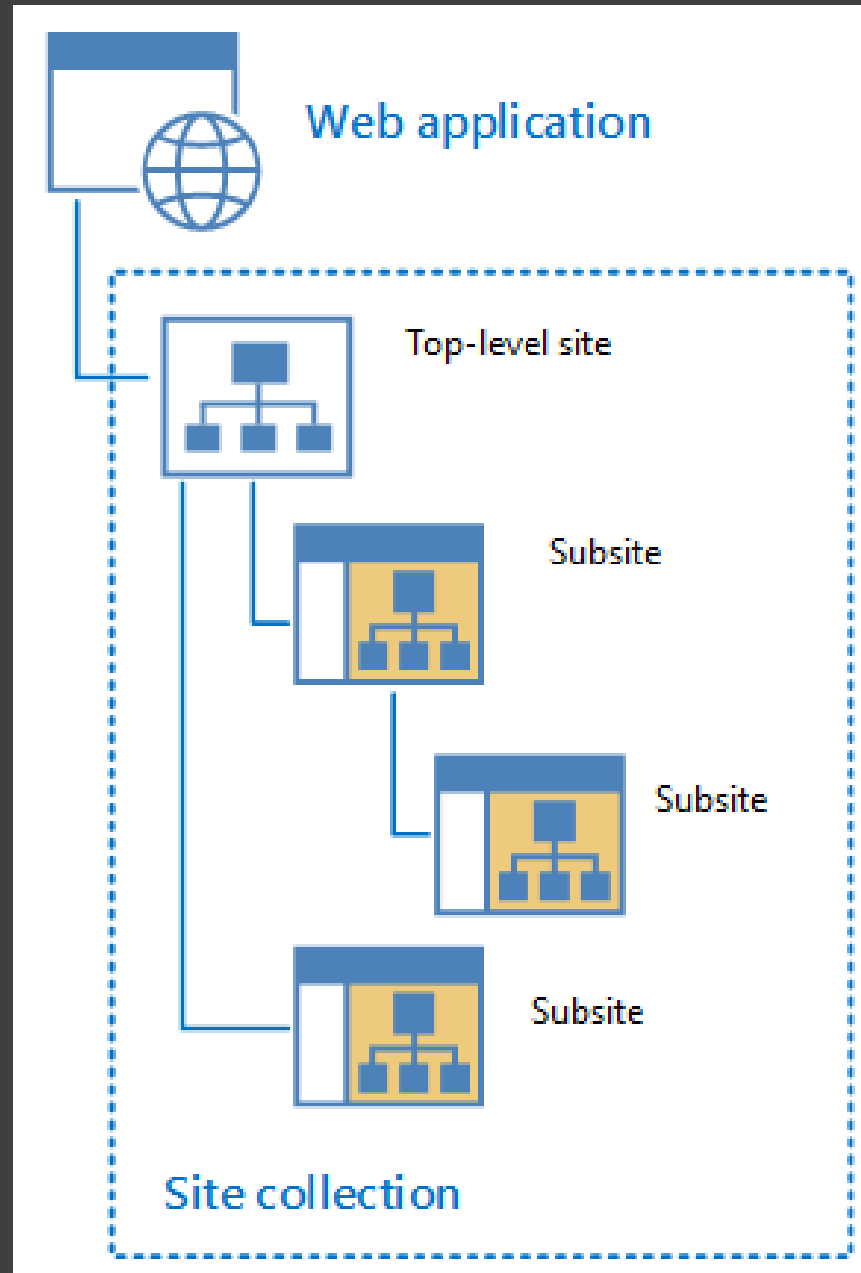


# SharePoint

- 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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# 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](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



# Know what you have

Keys for  
SharePoint  
Administration

DEMO

# 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 [↗](#)
- CriticalPath [↗](#)

## 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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