Bring all items to the 6th Info Desk

- Bingo Cards = how you win prizes at the end of the event.
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- Fill out speakers evaluations (located in the front of the rooms)
- Fill out the event evaluations
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SharePoint Migrations and You: The 15 Things to Consider

Rick Garcia
About Me

- Rick Garcia has been the SharePoint Team Lead & Engineering Manager at United Airlines for over 5 years.
- He has led several projects at United including the successful migration of SharePoint 2010 from their Houston datacenter to the new datacenter in Chicago and the build of SharePoint 2016.

- Leader and SharePoint evangelist in the local user group community for over 10 years.
  - Previous President of the Houston SharePoint User Group (H-SPUG)
  - Chairman of SharePoint Saturday Houston 2015 and 2016
  - Chairman of the Board of H-SPUG
- SharePoint Saturday Speaker
- Ignite 2017 Speaker

Email: Rick.Garcia@live.com  
Twitter: @SilentRick  
LinkedIn: https://www.linkedin.com/in/rgarcia
Have you considered all of the options?
Consider your **vision and goal**...

- What does the end state look like?
- What direction do you want to go?
- What features do you need?
- Office 365 or On-Prem solution?
Consider your corporate environment...

- Multiple domains to merge?
- Multiple logins for SharePoint?
- How do you authenticate now?
- Is Multi-Factor Auth Required?
- Is your email hosted or in-house?
Consider your Funding...

- How much is this going to cost?
- Is there a charge-back model?
- Who is going to pay for it?
- How do I get this funded?
Who do you have on staff?
Do you have enough staff?
Does your staff have the expertise?
Should you bring in outside help?

Consider your team...
Consider your facilities...

On-Prem, Cloud or Hybrid?

Where will your data live?

Are you doing Office 365 only?

Will you use Azure?
Consider your current platform...

What version of SharePoint?

What service pack are you on?

What is your current architecture?

How much data do you have?
Consider your current infrastructure...

How many WFE’s do you have?

How many App servers do you have?

Are you load balanced?

Are you physical or virtual?

Do you manage your own servers?
Consider your SharePoint environment...

How many sites do you have?

Do you use MySites?

How much content do you have?

Do you plan on using any tools?
Consider your content...

How many content types?

How is your data classified?

Is a cleanup effort needed?

Is there a plan for separating data?
Consider your tools...

Are you using tools now?
Any plans to use a migration tool?
Any plans to use a governance tool?
Are you using any development tool?
Consider your customizations...

How many full trust solutions?
How many sandbox solutions?
Do you have custom workflows?
Are you converting to Add-In’s?
Consider your storage...

- How much storage do you need?
- Do you have a capacity plan?
- On-Prem, Cloud or Hybrid?
- SQL Team storage requirements?
How will you be using email?
How will authentication work?
How will you load balance?
How will you secure the environment?

Consider your other teams...
Consider your Project Management Platform...

How are you going to manage this?

Are you going to use Planner?

Will you use Project or Project Server?

Will you use a SharePoint Team site?
What will you do next?
Consider your overall plan...

What is your plan?

How will you execute it?

Document everything

Small wins!
Consider your overall plan...
Consider your overall plan...
Consider your overall plan...

### Phase 1
- **September 2016**: Build Dev Environment, Test and Validate Environment
- **October 2016**: Build QA Environment, Test and Validate
- **November 2016**: Build Pre-Prod, Build Prod
- **December 2016**: Build DR, ITCM Freeze

**Phase 1** - Build SharePoint 2016 Environment (Dev, QA, Pre-Prod, Production and DR)

### Phase 2
- **Q1 2017**: Testing (Environment & Solution Testing)
- **Q2 2017**: Stabilization & Environment Hardening
- **Q3 2017**: Content Migration (SharePoint 2010 to SharePoint 2016)
- **Q4 2017**: Rollout Project Complete

**Phase 2** - Testing & Validation

**Phase 3** - Migration

Rollout Project Complete
## Enterprise SharePoint Platform

### Design Phase

- Review 2016 Architecture & Topology: 1 day
- Document 2016 SharePoint Search Configuration Guide: 1 day
- Document 2016 Workflow Manager Build Guide: 1 day
- Document 2016 SharePoint Server Build Guide: 1 day
- Document 2016 Infrastructure Architecture: 2 days
- Identity Custom Solutions: 1 day
- Document Office 2016 Web Apps Build Guide: 5 days

### 2016 Enterprise Farm Build Phase

- **Build Prep Farm**: 29 days
  - Request Production Servers: 6.5 days
  - Provision Prod Servers and Test: 2 days
  - Provision Prod SQL Cluster: 5 days
  - Request Service Accounts: 6.5 days
  - Provision Service Accounts: 4 days
  - Request Interactive Login and Validate: 6.5 days
  - Provision Interactive Login for Service Accounts: 4 days
  - Request Engineering Work Order for Increased RAM and Disk Space: 6.5 days
  - Implement Work Order for Increased RAM and Disk Space: 5 days
  - Request Firewall Rules: 6.5 days
  - Implement Firewall Rules and Validate: 14 days
  - Testing Environment Documentation: 2 days

- **Install and Configure SharePoint in Testing**: 29 days
  - Configure Kerberos/Request SPNs: 1 day
  - Request Server Carts: 4 days

- **Install and Build SharePoint**: 4 days
  - Run Installation Scripts for SharePoint: 2 days
  - Configure and Test Distributed Cache: 2 days
  - Configure and Test App and Add-In Server: 1 day
  - Configure and Test Search: 1 day
  - Configure and Test User Profile Service: 2 days
  - Build, Configure and Test SSRS Server: 2 days
  - Build, Configure & Test Office Online Server and Workflow Manager: 1 day

### Environment Hardening Phase

- Secure Server Snapshots: 3 days

### Web Server and Application Server Roles

- Services List in Services MMC Snap-In: 1.5 days
- Ports and Protocols: 0.5 days
- Auditing: 0.5 days
- Web.config: 0.5 days
- Database Server Role Ports - Block UDP 1434: 0.5 days

### Specific Port, Protocol and Services Guidance

- Block Standard SOL Ports: 0.5 days
- Service Application Communication: 0.5 days
- User Profile Service Hardening: 1 day

### Connections to External Servers

- Content Crawling: 0.5 days
- BCS Connections: 0.5 days

### Testing Phase

- 3.5 days
Consider your overall plan...

<table>
<thead>
<tr>
<th>Role</th>
<th>Feasibility/Analysis Hours</th>
<th>Design/Build/Test Hours</th>
<th>Deployment/Closedown Hours</th>
<th>Sub Total Hours by Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Manager</td>
<td>160</td>
<td>960</td>
<td>160</td>
<td>1280</td>
</tr>
<tr>
<td>SharePoint Architect</td>
<td>160</td>
<td>960</td>
<td>160</td>
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<td>960</td>
<td>160</td>
<td>1280</td>
</tr>
<tr>
<td>SQL DBA</td>
<td>20</td>
<td>320</td>
<td>40</td>
<td>380</td>
</tr>
<tr>
<td>SharePoint Engineer</td>
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<td>960</td>
<td>160</td>
<td>1280</td>
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<tr>
<td>PMO Team</td>
<td>60</td>
<td>80</td>
<td>40</td>
<td>180</td>
</tr>
<tr>
<td>AD Engineer</td>
<td>0</td>
<td>100</td>
<td>40</td>
<td>140</td>
</tr>
<tr>
<td>F5 Team, SAN, Exchange</td>
<td>80</td>
<td>560</td>
<td>160</td>
<td>800</td>
</tr>
<tr>
<td>Business Analyst</td>
<td>80</td>
<td>560</td>
<td>160</td>
<td>800</td>
</tr>
<tr>
<td>SharePoint Developer</td>
<td>160</td>
<td>960</td>
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<td>1280</td>
</tr>
<tr>
<td>SharePoint Analyst</td>
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<td>960</td>
<td>160</td>
<td>1280</td>
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<tr>
<td>Operations Analyst</td>
<td>160</td>
<td>960</td>
<td>160</td>
<td>1280</td>
</tr>
</tbody>
</table>
Resources

- Microsoft Fast Track - http://fasttrack.microsoft.com/
- Microsoft Tech Community - http://techcommunity.microsoft.com
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