

I Never Wanted to be a Programmer: How Student Information Systems Have Changed the Nature of Institutional Research and the Office of the Registrar

Presented by: Stephanie Martin, Associate Registrar,
Valparaiso University

Monday, March 31, 2014, 1:15pm:2:15 pm

Session ID 1746

Session Rules of Etiquette

- Please silence your cell phone/pager
- Please complete the session evaluation using the AACRAO mobile app or the paper form in your registration packet, drop boxes are available throughout the convention center.
- If you must leave the session early, please do so as discreetly as possible
- Please avoid side conversation during the session

Thank you for your cooperation!

Learning Outcomes of this session:

- Making the tech work
- Framing questions
- Student privacy
- Planning for new technology

About Me



The Inner Workings

- Screens and Forms
- File Structures
- Reporting Tools

Forms and Screens

SGASTEN

SPRO

HCN

File Structure

Object Table

Object ID	Disk Offset & Checksum
Object ID	Disk Offset & Checksum
Object ID	Disk Offset & Checksum
Object ID	Disk Offset & Checksum



Directory

File Name	File Metadata
File Name	File Metadata
File Name	File Metadata
File Name	File Metadata



File Metadata

Key	Value
Key	Value
Key	Value
Key	Value

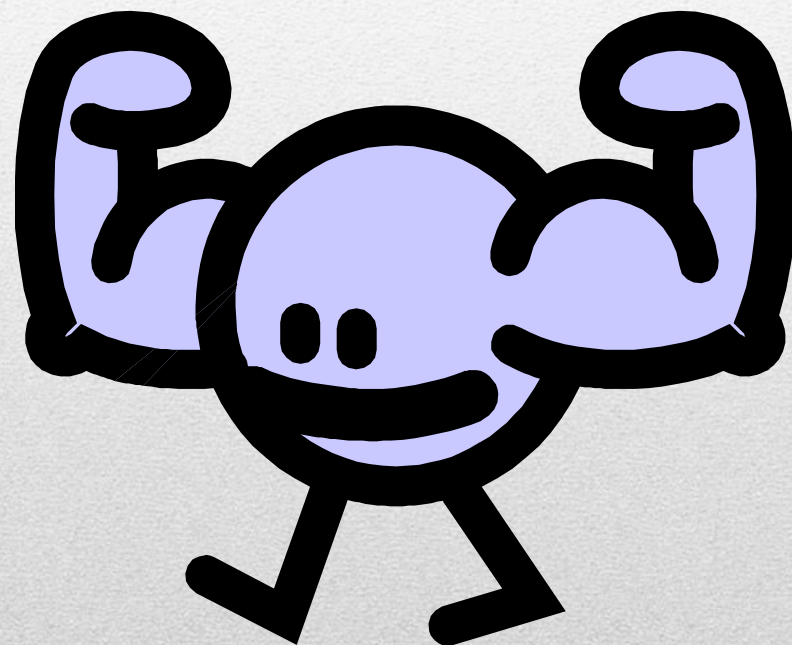


File Extents

0-7894	Disk Offset & Checksums
7895-10000	Disk Offset & Checksums
10001-57742	Disk Offset & Checksums
57743-9002722	Disk Offset & Checksums



Power Users



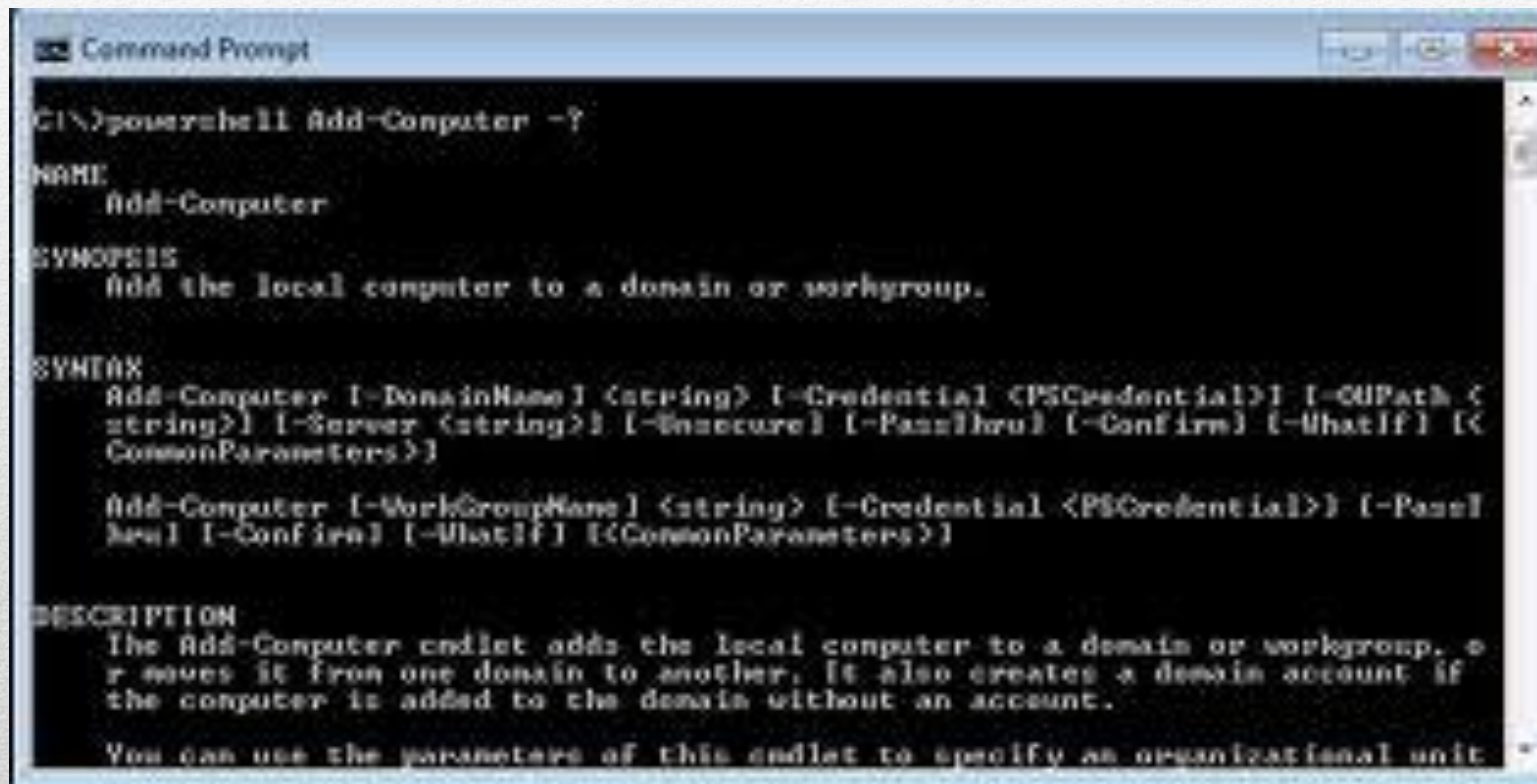
Registrar and MIS/IT



Speaking Tech/Processes



Syntax



```
Command Prompt

C:\>powershell Add-Computer -?

NAME
    Add-Computer

SYNOPSIS
    Add the local computer to a domain or workgroup.

SYNTAX
    Add-Computer [-DomainName] <string> [-Credential <PSCredential>] [-OUPath <
string>] [-Server <string>] [-Unsecure] [-PassThru] [-Confirm] [-WhatIf] [  
CommonParameters>]

    Add-Computer [-WorkGroupName] <string> [-Credential <PSCredential>] [-PassW
ord] [-Confirm] [-WhatIf] [  
CommonParameters>]

DESCRIPTION
    The Add-Computer cmdlet adds the local computer to a domain or workgroup, o
r moves it from one domain to another. It also creates a domain account if
the computer is added to the domain without an account.

    You can use the parameters of this cmdlet to specify an organizational unit
```

Fingers in Every Pie



3/31/2014

Legacy Processes



Data Gurus



Data Detective



3/31/2014

Data Quality



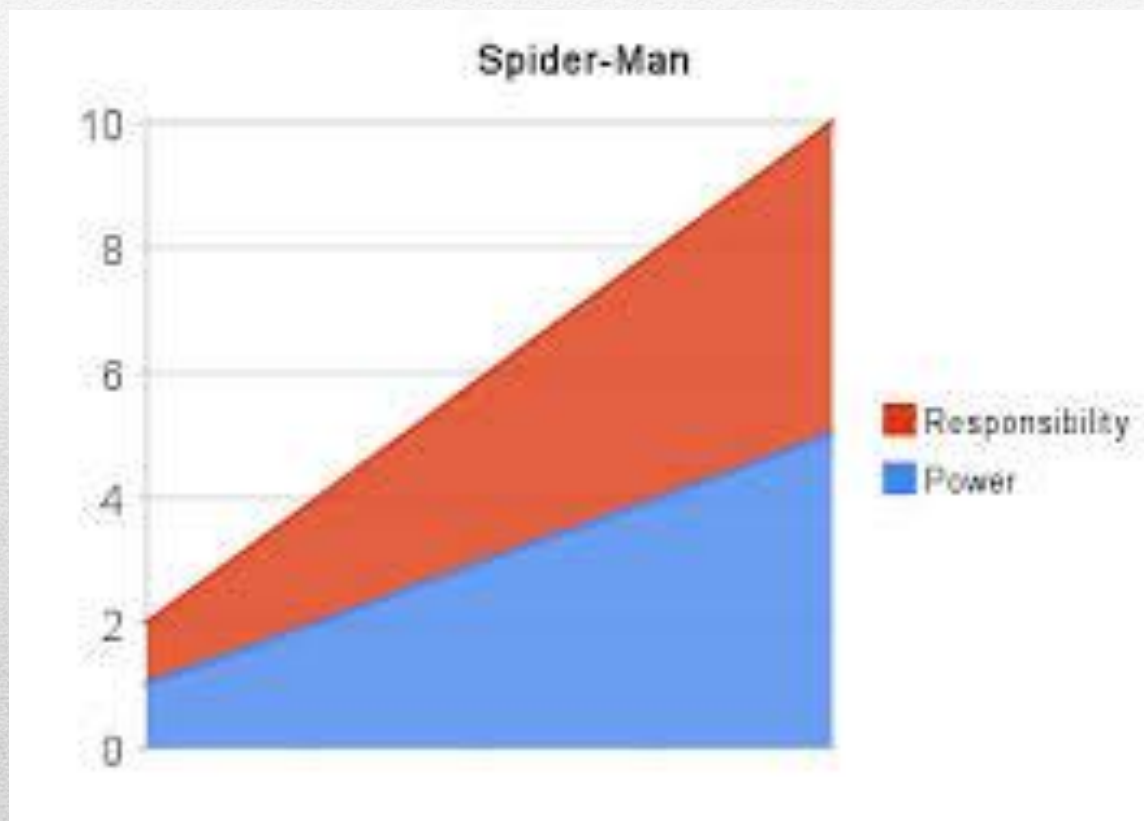
Garbage in...



Data Integrity



With Great Power....



Framing Questions



Narrowing the Focus



3/31/2014

Bad Fields

50+ Different Editions

Disc#	Title	Publisher	Place of Pub.	Label	Composer
20	No one will ever know my heart	Helene Music	Nashville, TN	Azoff, Ray	Fosse, Mel
20	No one will ever know my heart	Helene Music	Nashville, TN	Azoff, Ray	Ross, Fred
21	Out of my cradle days	Lee, Feld, Inc.	New York	Ames, Andy	Flanagin, Al
21	Perfect song	Chappell & Co.	New York	Ames, Andy	Kend, Joseph C.
23	Say mister have you met Rosie's sister	Ted Brown M	Chicago	Ames, Andy	Harrison, Charles 1885-1953
23	Say mister have you met Rosie's sister	Ted Brown M	Chicago	Ames, Andy	Ross, Fred
24	Three little words	Harris Inc.	New York	Ames, Andy	Ruby, Harry
25	Where'd you get those eyes	Lee, Feld, Inc.	New York	Ames, Andy	Donaldson, Walter
26	Along the Navajo trail	Leeds Music Co.	New York	Andrews Sister	Markes, Larry
26	Along the Navajo trail	Leeds Music Co.	New York	Andrews Sister	Charles, Dick
26	Along the Navajo trail	Leeds Music Co.	New York	Andrews Sister	De Lange, Edith
27	I'll be with you in apple blossom time	Broadway Mus	New York	Andrews Sister	Iron Tiger, Albert
28	Aurora	Robbins Music	New York	Andrews Sister	Lago, Mario
28	Aurora	Robbins Music	New York	Andrews Sister	Robert E, Roberts
29	Beautiful brown eyes	Pidcock Music	New York	Andrews Sister	Walters, Grace
30	Beer Barrel Polka	Shapiro, Berni	New York	Andrews Sister	Thorn, Vladimir A.
30	Beer Barrel Polka	Shapiro, Berni	New York	Andrews Sister	Brown, Lew
30	Beer Barrel Polka	Shapiro, Berni	New York	Andrews Sister	Weyde, Jerome

After All That Work



It's Not Star Trek



No Input, No Report



GODZILLA FACEPALM

When Godzilla gives you the facepalm, you know the fall is epic.

Computer Memory and Storage



Creating Datasets



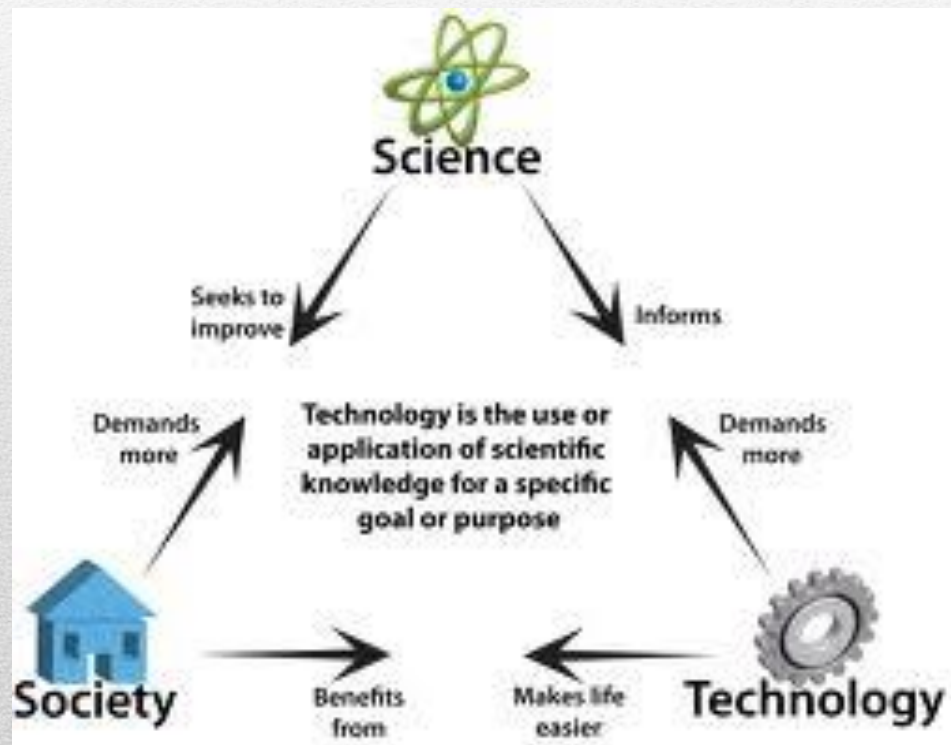
Business Enterprise



Safeguarding Data



Technology Evolution



Communication



Strong Foundation for Future



Time to Wake Up! Questions??



Thank You!

Stephanie Martin

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