

A DYNAMICSCON PRESENTATION

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VIRTUAL
MARCH 2023

DYNAMICS
GP

DYNAMICSCON.COM

A Year in the Life of a GP System Administrator

David Laster

David Laster

Dynamics GP - Business Central - Power BI Enthusiast

- More than 20 years of Accounting and Dynamics GP Implementation, Installation, Upgrade, Training and Support Experience
- Familiar with each of the past 20 releases of Dynamics GP
- Completed well over 350+ upgrades / installations / implementations
- **Author** – Management Reporter for MS Dynamics GP (Accolade Publications)
- **Power BI Change Agent** at our own company and with our customers
- Developed **Security Analyzer Dashboard** for Dynamics GP
- Developed **Bad Data Detector Dashboard** for Dynamics GP
- Developed **What's New Dashboard** for Dynamics GP
- Managing **GP-to-Business Central** Cloud Migrations
- Managing **Bullhorn One-to-Dynamics GP** and **Business Central** Connectors and Automation
- Love to dig in and help end users!



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GRAVOC



11 Most Common GP Sys Admin Tasks

Break/Fix
Support &
Troubleshooting

Database
Backup/Restore

Users & Security
Administration

Dynamics GP
Product Updates

New GP
Company
Database

Reports & Forms
Maintenance

Management
Reporter

GP Installations

ISV Installations

Integration
Services &
Applications

Process
Documentation/
Training



GP System Administrator Log



- OneNote is AMAZING for this as a repository
- Screenshots / Emails
- SOWs / Correspondence
- Issues / Support / Resolution
- Key Contacts / SMEs
- System Audit Documentation
- Errors / Check-ins / Audits



GP Power BI Reporting for Administrators

GP What's New

GP Intelligent Administrator

GP Security Analyzer

GP Bad Data Detector





#1

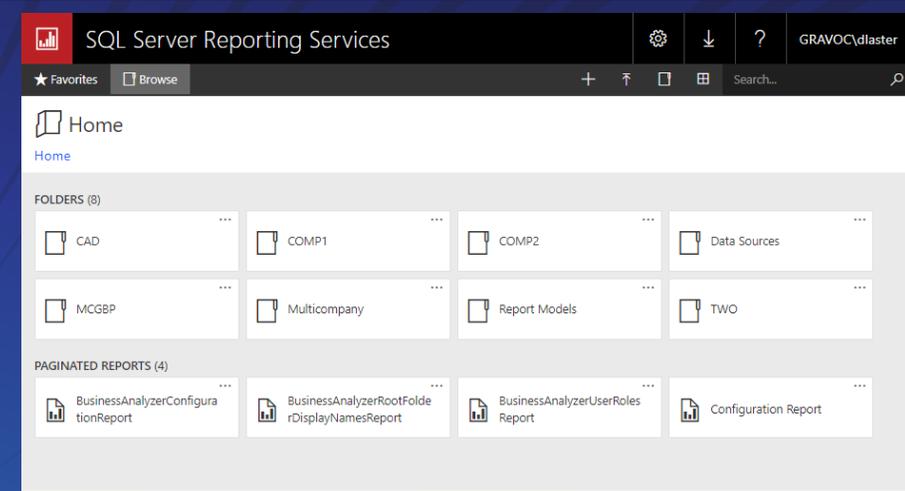
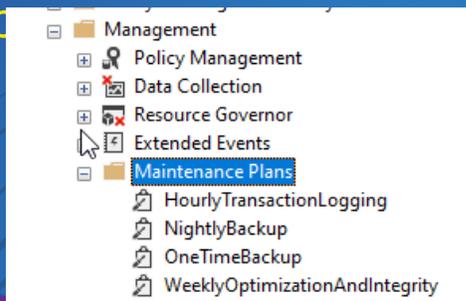
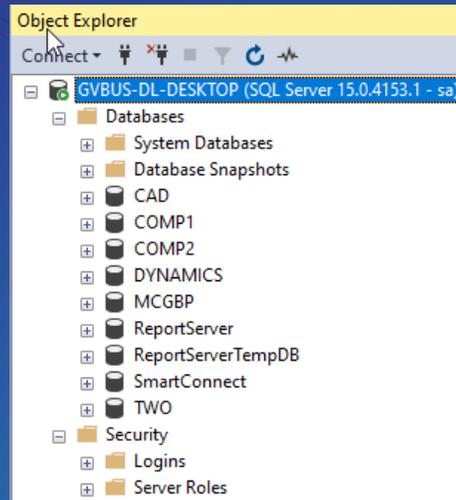
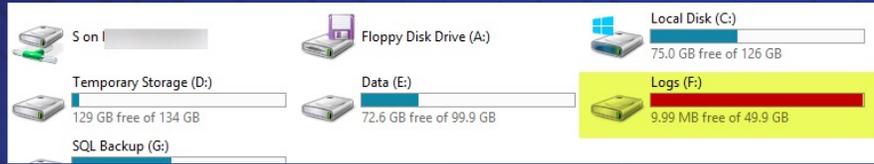
Break/Fix Support & Troubleshooting

#2

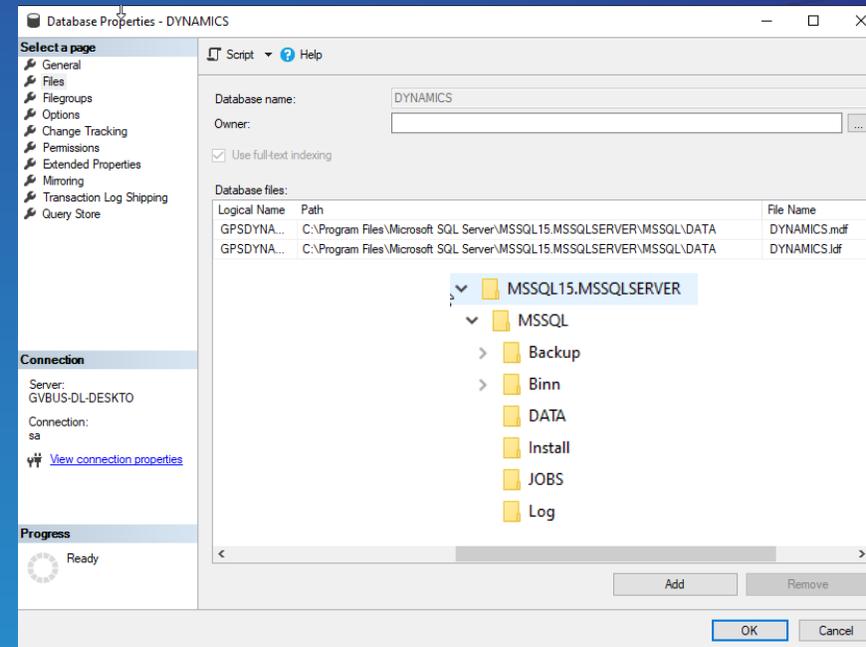
Database Backups and Restores

SQL Server

- Databases
- *.mdf / *.ldf
- SSRS
- Subscriptions
- *.rdl
- Disk space
- Services accounts
- Maintenance Plans
- Disaster Recovery Plans
- Redundancy
- Local / Off-site storage
- *.bak / *.trn
- Permissions & User Types
- Alerts
- Uptime



Name	Description	Status	Startup Type	Log On As
eConnect for Microsoft Dynamics GP 2018 Integration Service	Integration ...	Running	Automatic	GRAVOC\Services

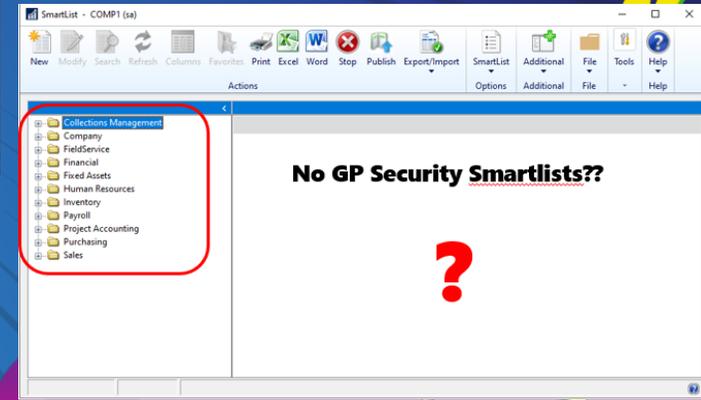
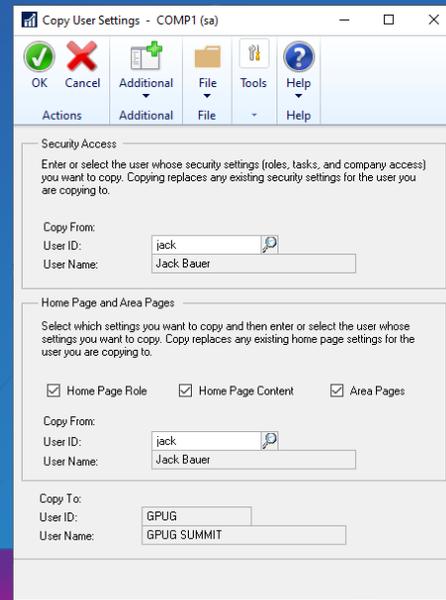
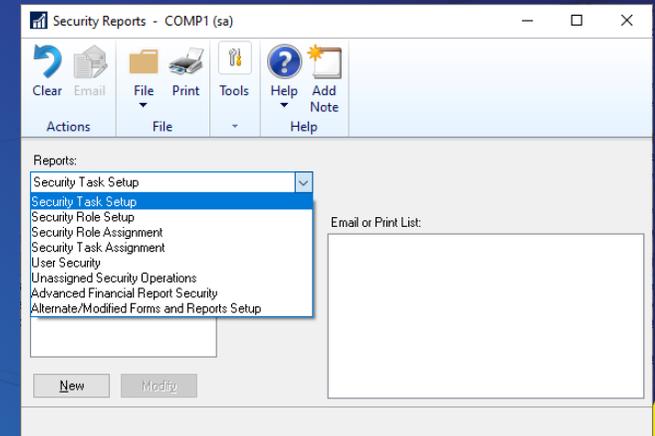
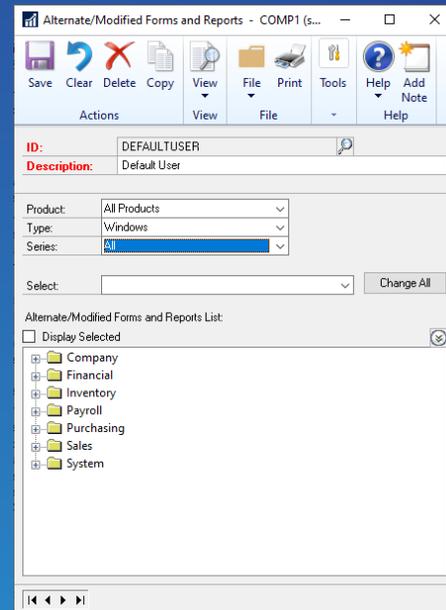
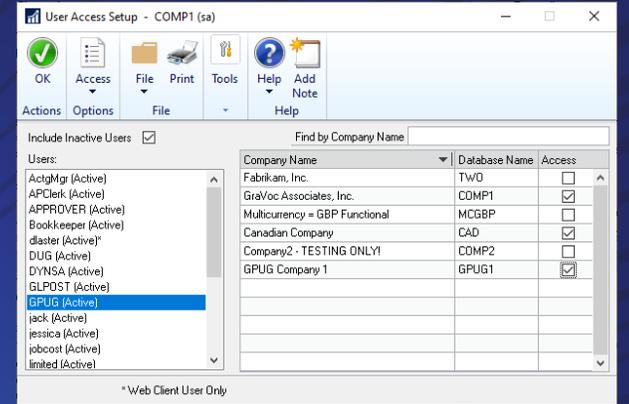
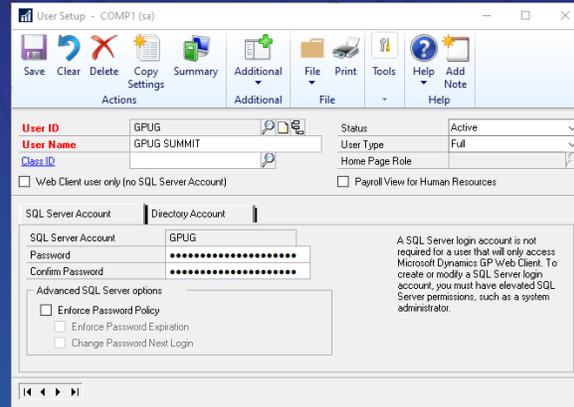


#3

Users & Security Administration

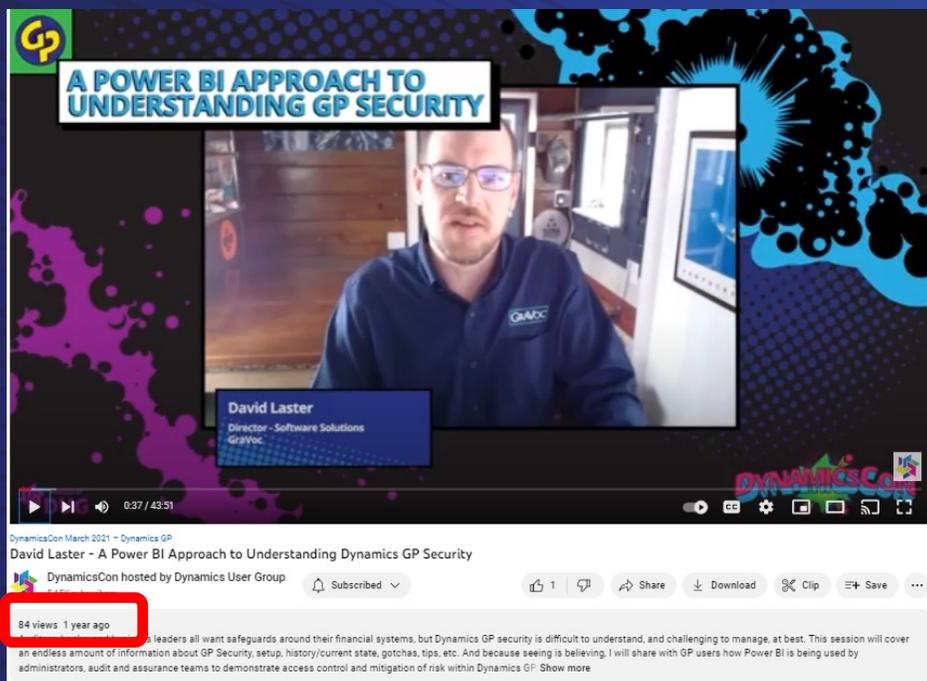
Dynamics GP User Maintenance

- Create new GP and MR users
- Follow onboarding checklist
- Adjust permissions for existing users
- Create and modify Roles and Tasks
- Deal with Auditors!
- Segregate Duties among users
- Verify changes
- SQL & Reporting users / access
- Network & Database Security
- ISVs / SME / Partner users



GP Security Analyzer

DynamicsCon – Spring 2021



<https://www.youtube.com/watch?app=desktop&v=vqhc38D5pMs>

Security Analyzer	Security Details	Distinct	User-Role Assignments	Role Compare	User Compare
Inquiry	Setup	Maintenance	Entry	Utilities	Delete and Remove
Reconcile	SOD - Financial	SOD - Payables	SOD - Receivables	SOD - Purchasing	SOD - Sales Order Processing
SOD - Inventory	SOD - Bank Reconciliation	Audit - Admin Task Assignments	Audit - New Security	Audit - Modified Security	

<https://www.gravoc.com/gp-security-analyzer/>



GP Security Analyzer

The easiest and the most powerfully visual way to understand Dynamics GP Security. 22 dashboards of Dynamics GP Security Analysis Bliss!

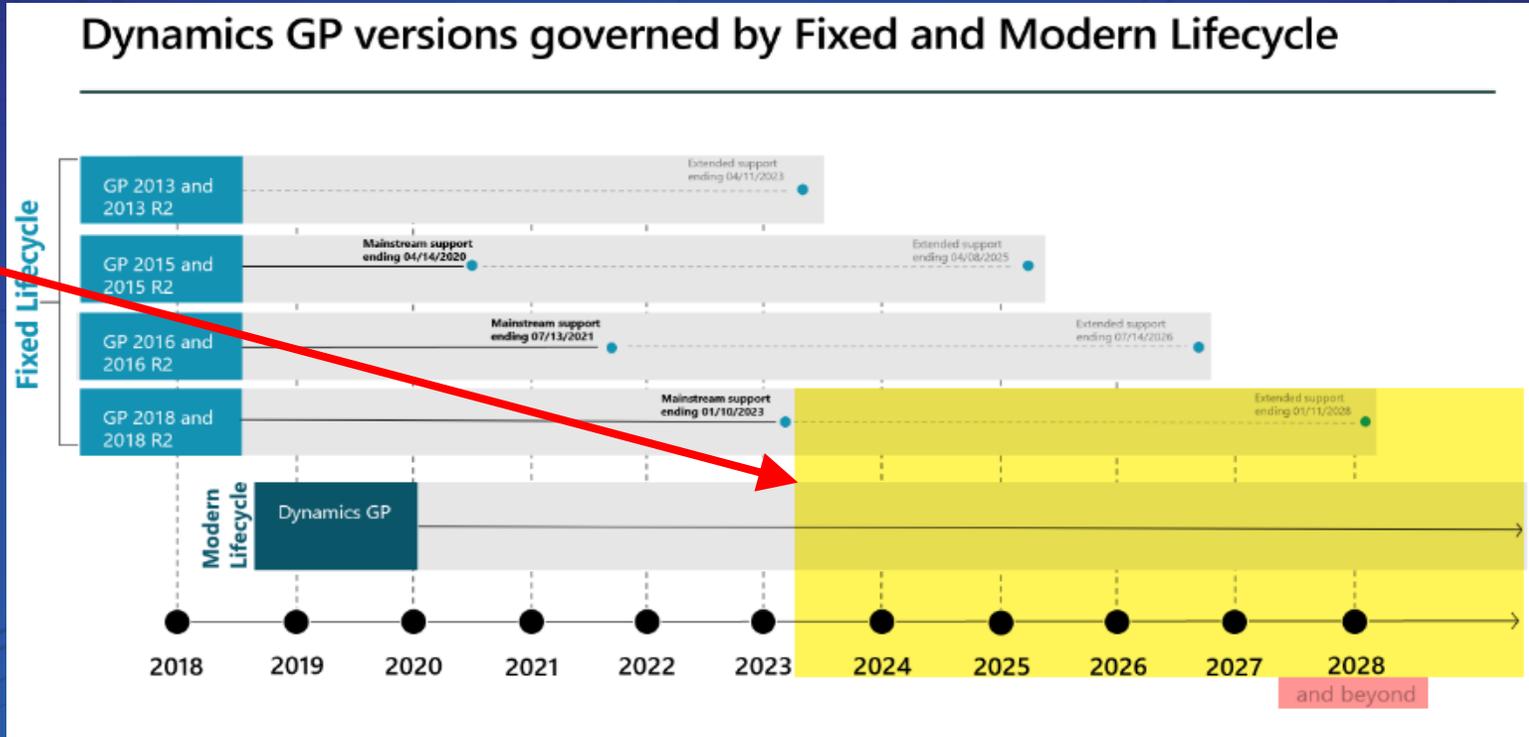


#4

Dynamics GP Product Updates

Modern Lifecycle

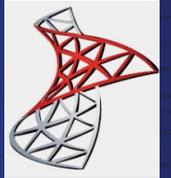
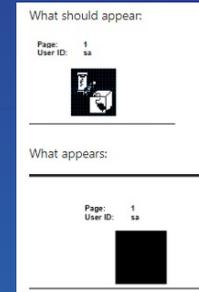
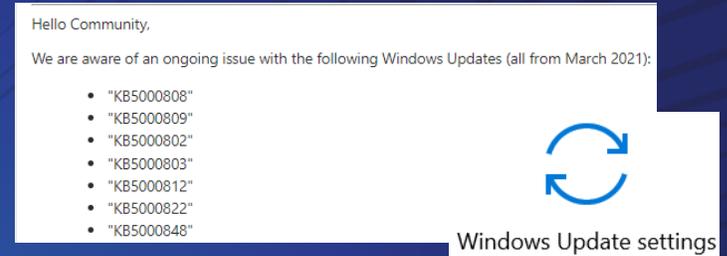
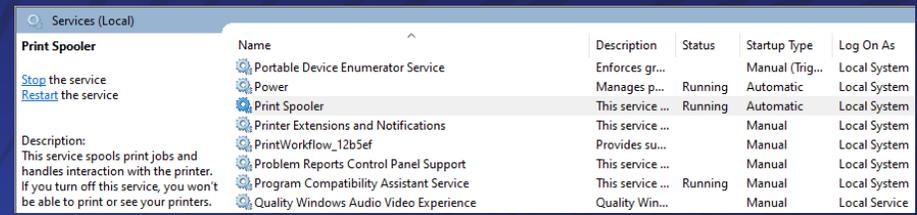
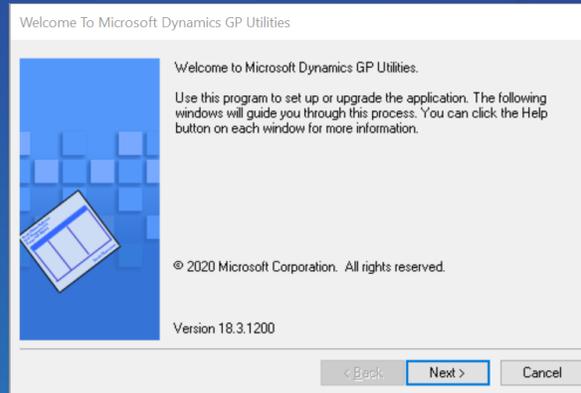
WE ARE
HERE!
DynamicsCon
March, 2023



<https://docs.microsoft.com/en-us/dynamics-gp/terms/lifecycle>

Dynamics GP Updates

- Modern Lifecycle
- Major Version Upgrade
- Windows Server Updates
- SQL Server Updates
- Windows Desktop Updates
- Windows Security Updates
- System Audit
- ISV Compatibility
- New Features
- Compliance Updates
- Modern Authentication



<https://community.dynamics.com/gp/b/dynamicsgp/posts/black-boxes-and-dynamics-gp-report-writer>

<https://docs.microsoft.com/en-us/sql/database-engine/install-windows/latest-updates-for-microsoft-sql-server?view=sql-server-ver15>

<https://community.dynamics.com/gp/b/dynamicsgp/posts/the-exciting-future-of-microsoft-dynamics-gp---lifecycle-update>

<https://community.dynamics.com/gp/b/dynamicsgp/posts/what-does-modern-lifecycle-mean-for-microsoft-dynamics-gp>

<https://community.dynamics.com/gp/b/dynamicsgp/posts/dynamics-gp-18-5-upgrade-planning---let-s-get-started>

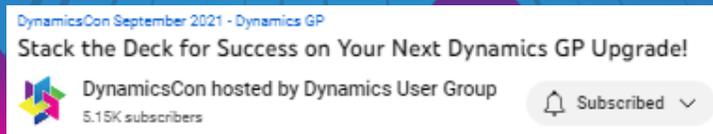
<https://community.dynamics.com/gp/b/dynamicsgp/posts/dynamics-gp-and-modern-authentication>

<https://community.dynamics.com/gp/b/dynamicsgp/posts/microsoft-dynamics-gp-2022-upgrade-blog-series-schedule>

<https://learn.microsoft.com/en-us/dynamics-gp/payroll/us-year-end>

DynamicsCon – Fall 2021

<https://www.youtube.com/watch?v=NfCQICPVGXo>



#5

New Dynamics GP Company



New Dynamics GP Company

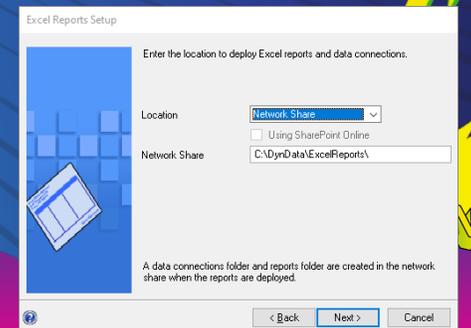
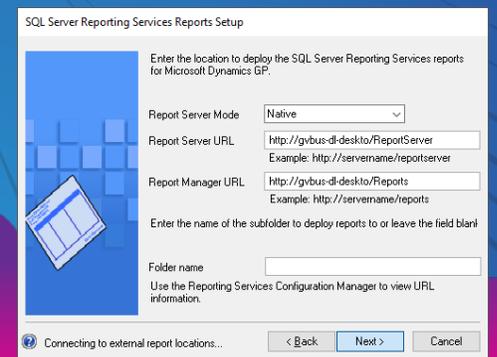
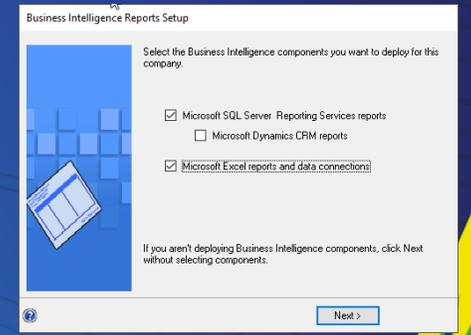
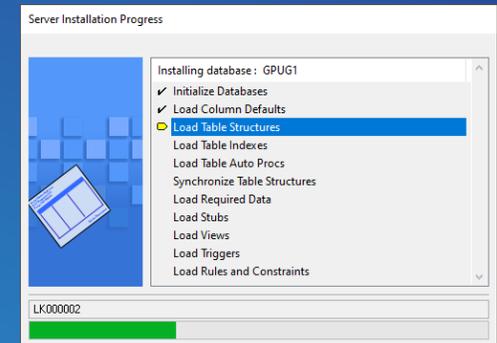
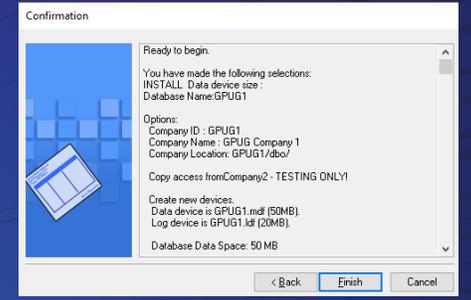
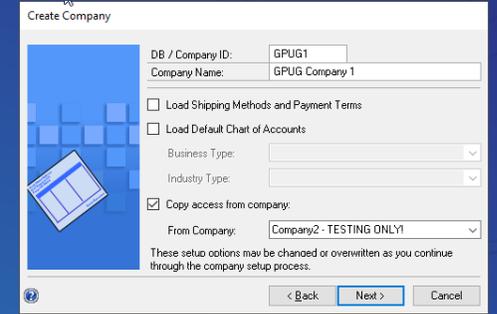
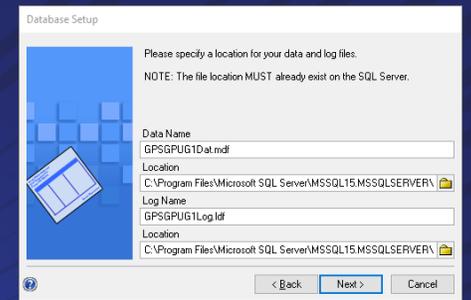
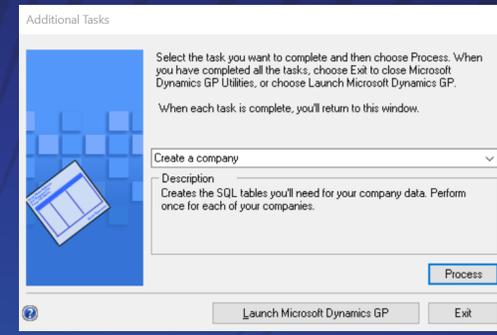
- Company ID / Name
- Database Pathname
- SSRS Reports
- Add to backup plan
- Users / Security
- Currency / Fiscal Periods
- Modules to be used
- Setup requirements / methods
- ISV products needed
- Add to Management Reporter / Users
- Data migration
- Testing
- DEV & PROD
- Integrations / Customizations
- Go-Live timing, process

1.00 System Setup Tasks:
1.01 Backup DYN and PROD databases
1.02 Review products in *.set files
1.03 Backup code folder and reports.dic
1.04 Run DynUtils to script new database
1.05 Create manual backup DYN and new co database
1.06 Add to nightly SQL backup plan
1.07 Set Multicurrency Access
1.08 Set User Access

2.00 Setup Tasks:
2.01 Company and Address
2.02 Payment Terms
2.03 Shipping Methods
2.04 Account Format
2.05 Fiscal Periods
2.06 Multicurrency Setup
2.07 General Ledger Setup
2.08 Account Categories
2.09 Accounts Payable Setup
2.10 Accounts Receivable Setup
2.11 Sales Order Processing Setup
2.12 Purchase Order Processing Setup
2.13 Inventory Setup
2.14 Posting Setup
2.15 Default Posting Account Setup
2.16 Fixed Assets Setup
2.17 Account Currency Setup
2.18 Bank Reconciliation Setup
2.19 Electronic Banking Setup
2.20 Revenue and Expense Deferrals
2.21 Intercompany

3.00 Master Records:
3.01 Chart of Accounts
3.02 Checkbook IDs
3.03 Vendor IDs
3.04 Vendor Classes
3.05 Customer IDs
3.06 Customer Classes
3.07 Item IDs
3.08 Item Classes

4.00 Customizations and Modifications:
4.01
4.02



#6

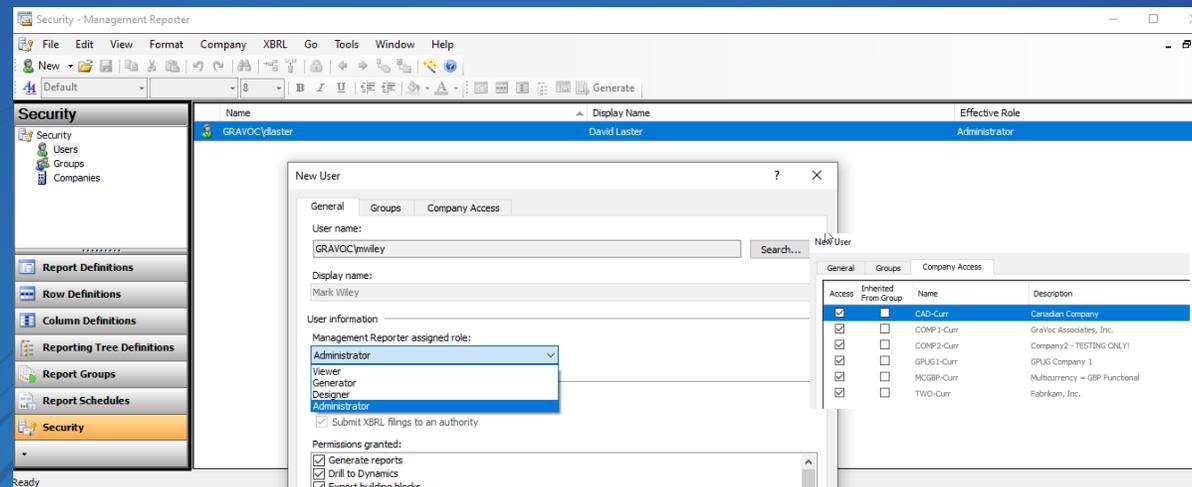
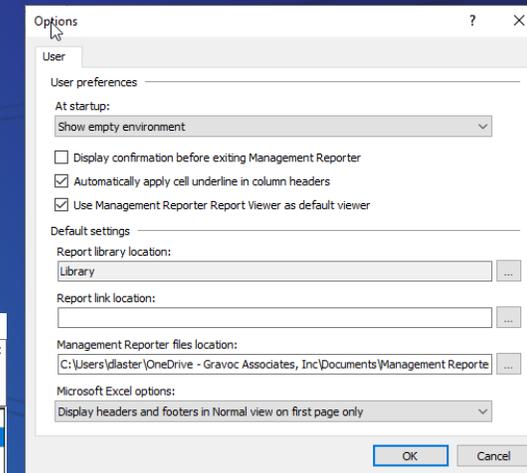
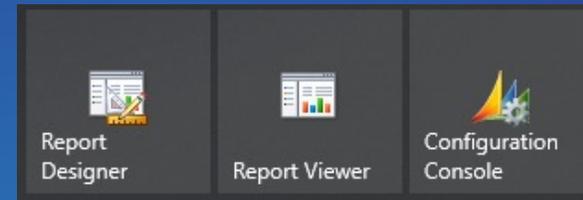
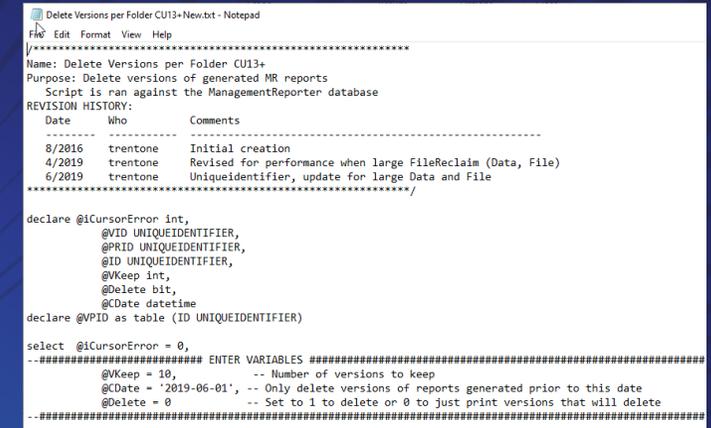
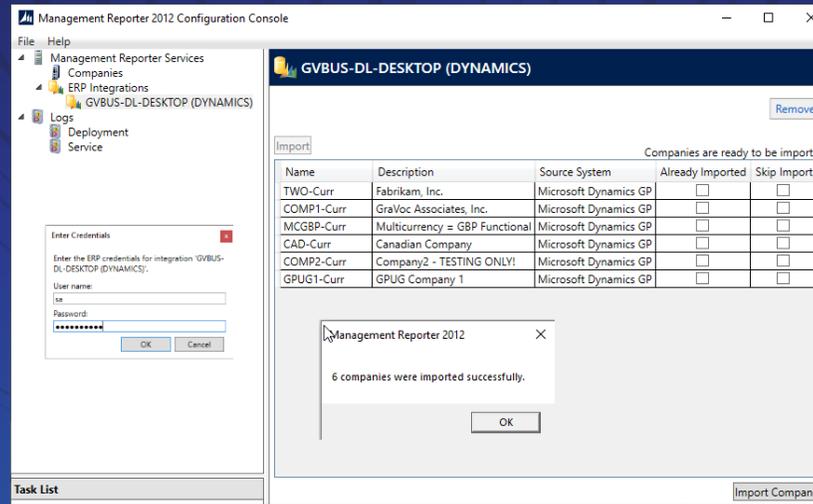
Reports & Forms Maintenance

#7

Management Reporter

Maintaining Management Reporter

- Add new users
- Add new GP Companies
- Rebuild Data Mart
- Reconfigure Change Control
- Maintain MR Database size
- Monitor MR Error Logs
- Back up MR Reports



<https://community.dynamics.com/gp/f/microsoft-dynamics-gp-forum/409198/mr-clean-up-old-reports>

<https://community.dynamics.com/gp/b/encoreblogdynamicsgp/posts/rebuilding-your-management-reporter-data-mart>

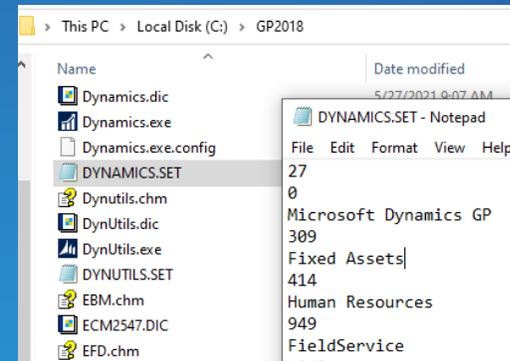
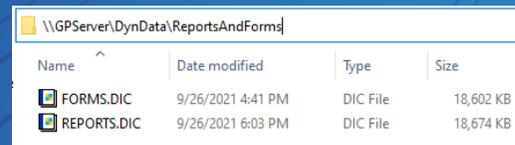
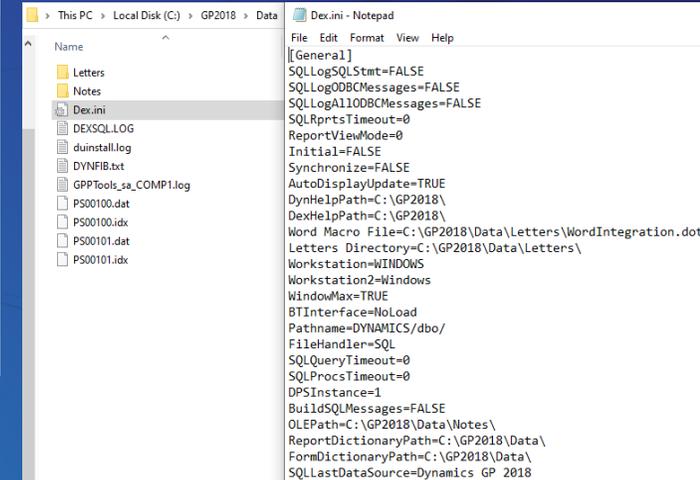
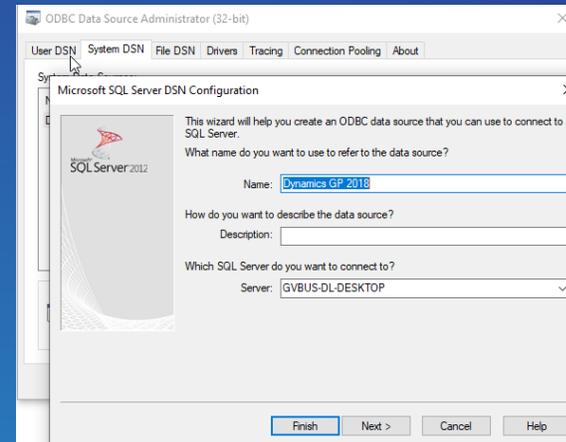
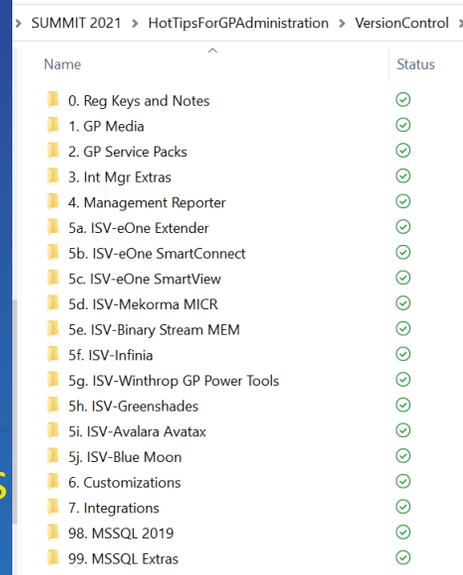
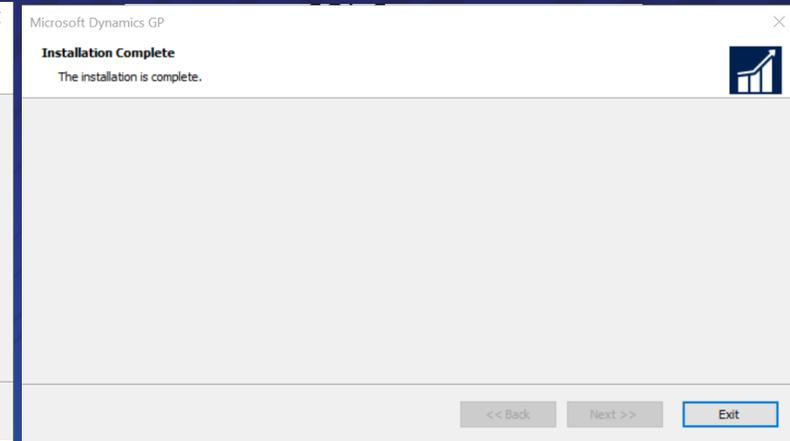
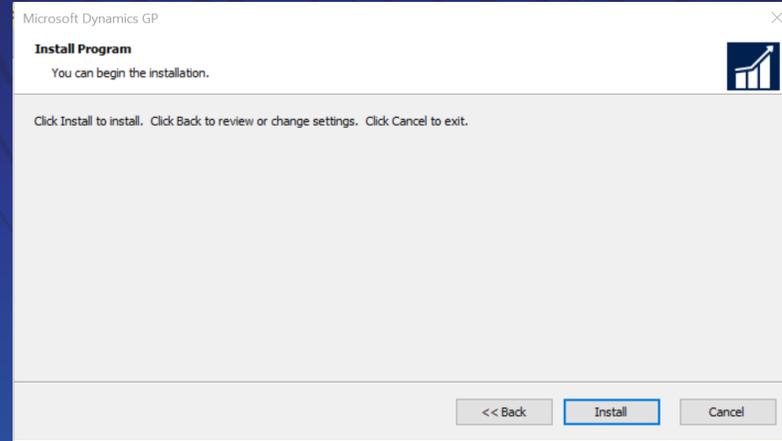


#8

GP Installations & Configurations

Workstation Installations

- Installation Media
- Registration Keys
- Dynamics GP / MR
- Service pack level
- ISV products
- Permissions / Passwords
- Compatibility
- Server name / connection string
- Shared Dictionary Resources
- Dex.ini
- Dynamics.set
- Service Accounts



For RDP Servers:
 - EnableServerDropDown=FALSE
 - DefaultLastUser=FALSE

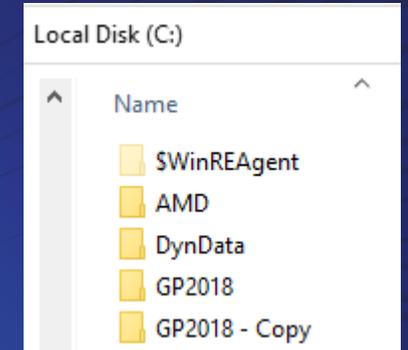
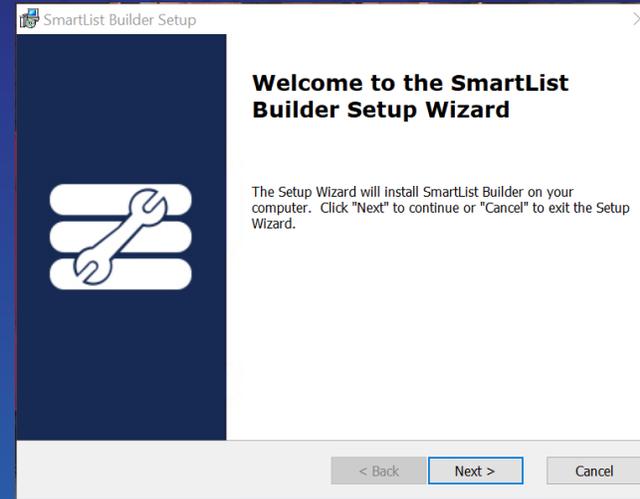


#9

ISV Installations

Installing Add-On Products

- ISV dexterity
- ISV non-dexterity
- Infrastructure
- Cost / Updates
- Media and Registration Keys
- Backups
- Risk
- Timing
- Purpose
- Users / Consumers / Security
- Priority / Importance
- INSTRUCTIONS!
- Partner Support & Guidance



Search Results in SQLBackups

*.bak

Name	Date modified	Type	Size
COMP2_backup_2021_09_30_192342_6956220.bak	9/30/2021 7:23 PM	BAK File	51,268 KB
ReportServerTempDB_backup_2021_09_30_192342_6946212.bak	9/30/2021 7:23 PM	BAK File	692 KB
ReportServer_backup_2021_09_30_192342_6946212.bak	9/30/2021 7:23 PM	BAK File	110,776 KB
SmartConnect_backup_2021_09_30_192342_6936203.bak	9/30/2021 7:23 PM	BAK File	4,512 KB
TWO_backup_2021_09_30_192342_6936203.bak	9/30/2021 7:23 PM	BAK File	144,812 KB
MCGBP_backup_2021_09_30_192342_6926193.bak	9/30/2021 7:23 PM	BAK File	113,944 KB
COMP1_backup_2021_09_30_192342_6926193.bak	9/30/2021 7:23 PM	BAK File	152,660 KB
CAD_backup_2021_09_30_192342_6916185.bak	9/30/2021 7:23 PM	BAK File	87,356 KB
DYNAMICS_backup_2021_09_30_192342_6916185.bak	9/30/2021 7:23 PM	BAK File	61,056 KB
msdb_backup_2021_09_30_192342_6906175.bak	9/30/2021 7:23 PM	BAK File	3,564 KB
model_backup_2021_09_30_192342_6896165.bak	9/30/2021 7:23 PM	BAK File	460 KB
master_backup_2021_09_30_192342_6886155.bak	9/30/2021 7:23 PM	BAK File	856 KB

#10

Integration Services & Applications

Integrations to/from Dynamics GP

- System Audit / Integration Doc
- Methods of import
- Timing of import
- File Types
- Data Source location
- Destination
- Permissions
- Error Handling & Reporting



Map Id	Description	Group	Data Source	Destination
BANKTRANSACTION	Bank Transactions Import	None	Microsoft Excel 2016	Microsoft Dynamics GP
CHARTOFACCOUNTS	Chart of Accounts Import	None	Microsoft Excel 2016	Microsoft Dynamics GP
EXCHNAGERATES	Exchange rates	None	Microsoft Excel 2016	Microsoft SQL Table
GLTRANSACTION	GL Transaction Import	None	Microsoft Excel 2016	Microsoft Dynamics GP
PAYABLETRANSACTION	Excel AP Transaction Import	None	Microsoft Excel 2016	Microsoft Dynamics GP
VENDORADDRESSES	Vendor Address Import	None	Microsoft Excel 2016	Microsoft Dynamics GP
VENDORS	Vendor Import	None	Microsoft Excel 2016	Microsoft Dynamics GP

Map ID: PAYABLETRANSACTION
Map Description: Excel AP Transaction Import

Source & Destination | Options | Tasks | Global Variables

Allow any user to run this map
Owner: gravoc\dlaster
Integration Group: [empty]

If there is no data returned from this maps data source:
 Return map success
 Return map failure

If there are blank lines in the data source:
Do Nothing

Use Log
 Log Errors
 Log Error Source Data
 Log Successes
 Log Xml

Script Language: C# .Net VB .Net
Process Errors: Save As Xml File Save As Csv File

Debug
 Map Documents
 Document Tasks
 Document Details
 Map Details
 Map Tasks
 Validate Data Types

Log Events:
 Log Schedule Events
 Log Web Service Events

Map ID: CHARTOFACCOUNTS
Map Description: Chart of Accounts Import

Source & Destination | Options | Tasks | Global Variables

Map Pre Tasks
Tasks that run before the map
Map Data Checks

Document Tasks
Tasks that run before the document
Tasks that run if the document fails
Tasks that run if the document succeeds

Map Post Tasks
Tasks that run if the map fails
Tasks that run if the map succeeds

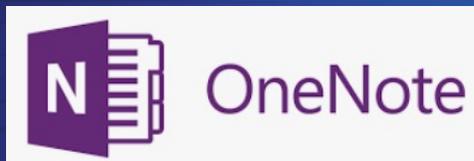


#11

Process Documentation / Training

Process Documentation

- 'How To' do things in GP
- Also applies to GP Admins
- Keep up-to-date
- Keep users 'in-the-know'



Integration
Templates

Checklists

Workarounds

Customizations

Links / Articles

Handling
Support

Training Tool
for New Hires

Supports UAT
for upgrades



Thank YOU for watching!

Please join me for the LIVE Q & A!



DynamicsCon – Fall 2021
DynamicsCon – Spring 2021
DynamicsCon LIVE – Fall 2022
DynamicsCon – Spring 2023
Coming Up: DynamicsCon – LIVE Spring 2023



HOW POWER BI SAVES MONEY AND TIME FOR ALL DYNAMICS GP USERS

THE 8TH WONDER OF THE WORLD? BC + POWER BI



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