

## Agenda

Time	Room 1	Room 2				
09:00 – 10:00	Keynote – Matthew Mead					
10:10 - 11:10	Empower! Improving business processes with the Power Platform – Victor Dantas	h Getting started with PowerApps Component Framework (PCF) – Alex Shlega				
11:15 – 12:15	Enterprise CRM Implementation – An Analyst's perspective – Lyndsay Kowalick	Get started with Dynamics 365 Virtual Agent for Customer Service – Dhina Gajavarathan				
12:15 – 1:00	Lunch Break					
1:00 - 2:00	Setting up Continuous Integration (CI) and Continuous Delivery (CD) for PowerApps/D365 CE – Alex Shlega	Dynamics 365 Data Migration Demystified – Kunal Tripathy				
2:10 – 3:10	PowerApps Lab	Getting the Most Out of the Field Service Mobile App – George Gingerich				
3:15 – 4:00	Close & Swag					

## Dynamics 365 Community

Join the Dynamics 365 Community, where you can interact with your peers and Microsoft Dynamics 365 experts. You can get answers to your questions by posting questions in the forums, starting discussions, reading informative blog articles, and watching how-to videos.

https://community.dynamics.com



- Participate and help build a pool of knowledge that's accessible by members at any time!
- Expand your network by engaging with peers

#### Involvement

- Need help? Ask
   questions and join in on
   business or technical
   discussions in the forums
- Share your expertise by hosting a blog or syndicating your existing blog

#### Recognition

- Earn badges for participation and engagement
- Become a Community
   Star and earn
   appreciation from peers

#### Join Today!

- Get answers, find inspiration, connect with others
- Free membership
- Any questions? Email us at dlcommed@Microsoft.co m



- www.365portal.org
- Twitter: @Dyn365Community
- Linkedin: @365-Saturday

## Social

- Hashtags
- #D365SaturdayCalgary #365Saturday #msdyn365
- Wifi: TBC
- Pass: TBC
- Community.Dynamics365.com

## Invidual Session Feedback

- We really value your feedback. Log-in to the 365portal event page and click on the session title.
- Make sure you have added the session to your schedule and you have checked in.
- You can now leave feedback which will help the speaker and improve our future events for the community.

## DYNAMICS 365 - DATA MIGRATION DEMYSTIFIED

Kunal Tripathy

#### **KUNAL TRIPATHY**

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- Twitter @imKTripathy
- Blog https://Kunaltripathy.com





#### **AGENDA**:

- Why data Migration is tough?
- Data Migration Process
  - Evaluate
  - Plan
  - Extract
  - Load
  - Validate
- Performance Optimization
- Migration Tools Tips and Tricks



## WHAT IS DATA MIGRATION?

### WHEN DO WE MIGRATE DATA?

- New Implementation
  - Migrate Data from Legacy Application
  - Migrate data from other Apps
- Move from on premise to CRM Online?
  - Fast Track Migration is not available (\*Best way to move from on-prem to Online)
  - Reimplementation before migration
- Re-implementation
  - Remodeling/restricting
  - Organization restricting, merge/acquisition

## DATA MIGRATION CHALLENGES

Data Migration from Legacy systems to new Implementation is Often Complex

- Diverse dataset/ Multiple data sources
- Data Integrity
- Time consuming
- Legacy data Often need data cleaning

### Data Integration is often Overlooked

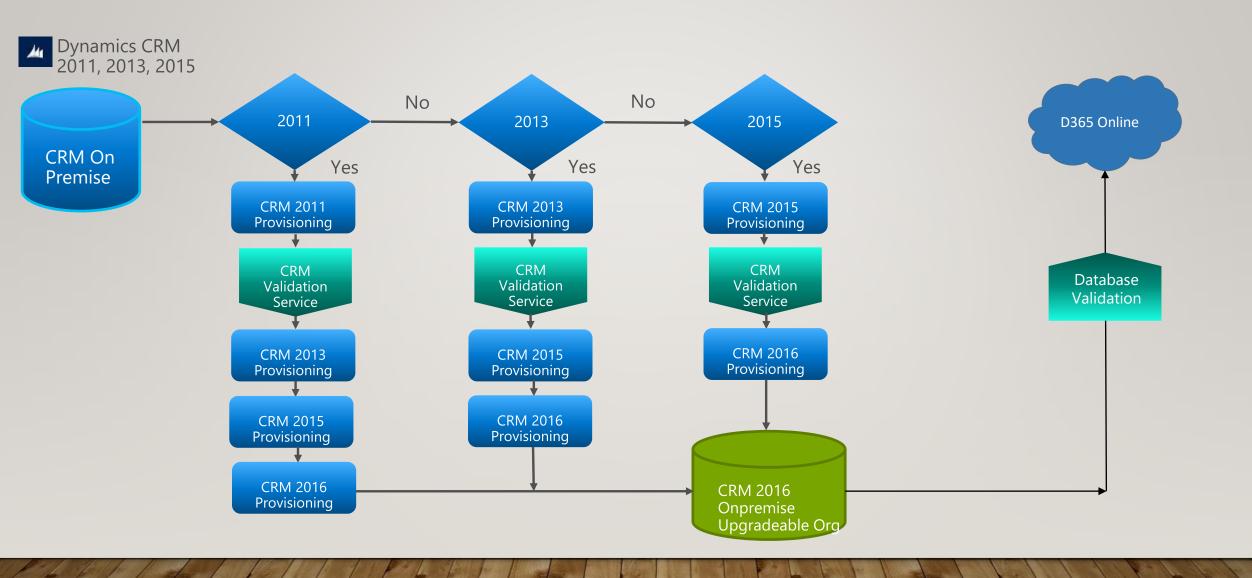
- Focus of Application development
- Underestimation of the scale of data issues
- Overestimating the ability of technologists to fix the problem unaided
- Misunderstanding what you've signed up for

# UPGRADE on-Prem to cloud

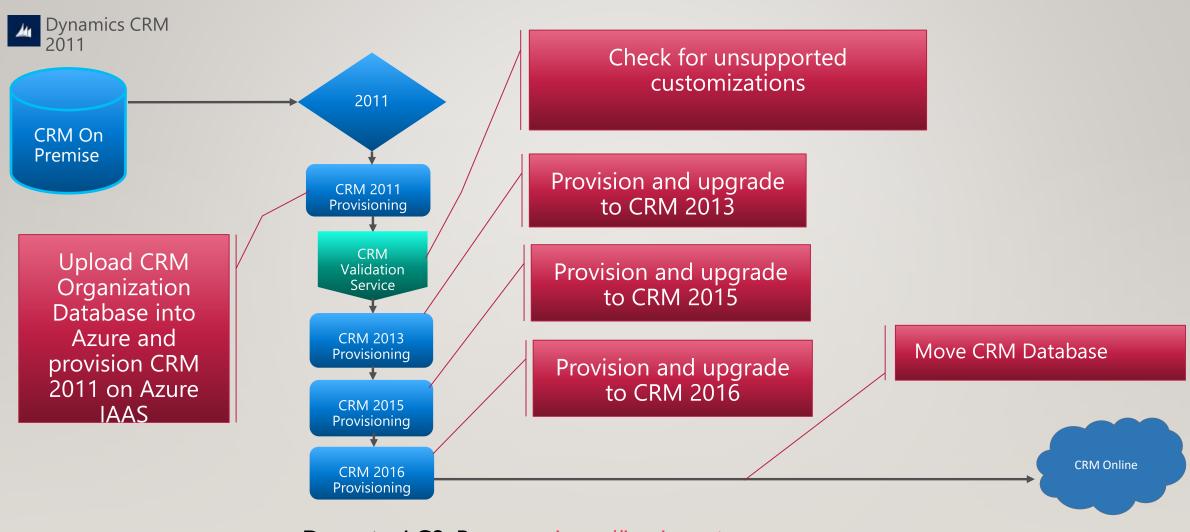
## WHEN DO WE MIGRATE DATA?

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## MOVE TO CLOUD



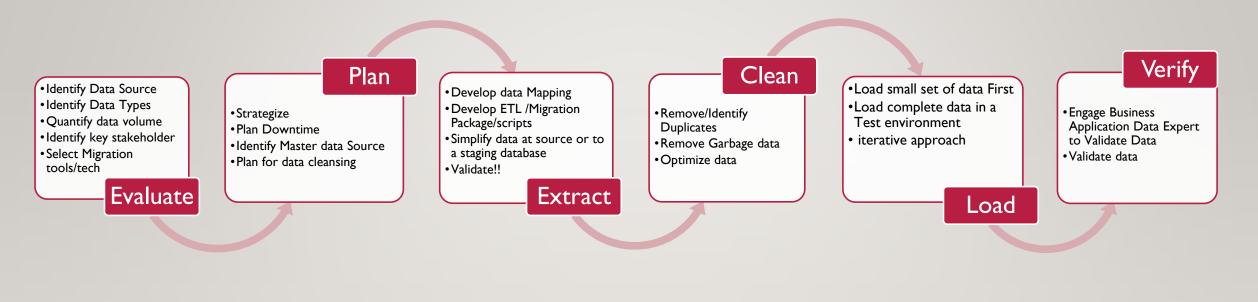
## MOVING TO CLOUD - FAST TRACK PROGRAM



Dynamics LCS Program: <a href="https://lcs.dynamics.com">https://lcs.dynamics.com</a>

## MIGRATE

### DYNAMICS DATA MIGRATION PROCESS





## EVALUATE

#### DYNAMICS DATA MOVE TOOLS

#### Import Export Utility

- Use for small one time Imports
- Use when Client is managing Data Imports
- For N:N relation, use N:N migration utility in XrmToolBox

## Configuration Migration Tool/ Custom

- Use for migrating data from CRM to CRM
- Primary use is configuration/reference data Migration to ensure same guid
- Purpose is to synchronize CRM Configuration data from one Environment to other

## Use Integration for Migration

- Purpose built integration could be used to do the initial load or synchronization of Data.
- Cost effective

## DM specific tools : SSIS/Scribe/Informatica

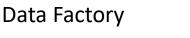
- For Heavy data lifting
- For Migrating Data from Legacy sources
- To Migrate CRM configuration data: Business Unit, Teams, Queues, User, user security role, team, queue associations































### **SELECTING: DATA MIGRATION TOOL**

#### • Scalability:

- Does the Solution Scale to support your Data Migration need
- Support for Multiple threads
- Support for Execute Multiple, Batch execution

#### • Team skills:

- Learning Curve
- Team members skills

#### Error Handling and Retry

- Data Migration will have failures, does the tool/software handle it
- Can it handle intermittent errors
- Retry/rerun options.

## PLANNING

#### DATA: KEY FACTORS

- Data Strategy: identify what data needs to be in Dynamics 365
  - Historical data: Any data not needed for day to day operation
  - Operation data: Relevant data required for day to day operation
- Data Quality: Improve data Quality (Garbage In, Garbage Out)
  - Check for Accuracy, Completeness and Relevancy/Validity
  - Inconsistent and incomplete Data
  - Duplicates
  - Obsolete Data
- Engage Business SME: Business SME's are the only ones who truly understand the data and who can, therefore, be involved and decide the mapping.

### DATA MIGRATION: DATA MAPPING

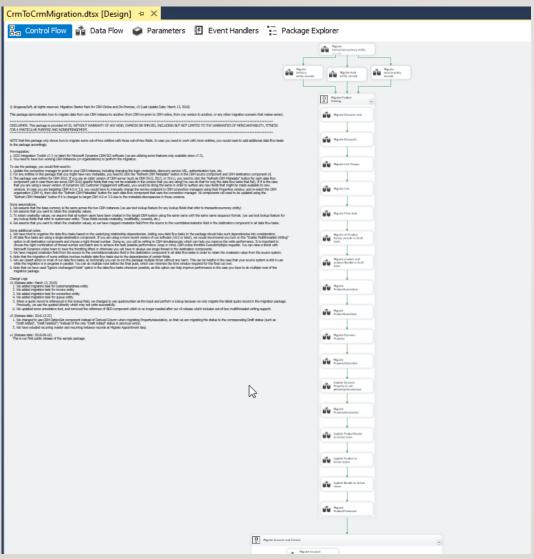
A	В	С	D	E	F
Logical Name	Display Name	Туре	Source Mapping	Transformation Required	Notes
accountid	Account	Lookup	Customer.customer_id		
accountrolecode	Role	Picklist			
address1_addressid	Address 1: ID	Uniqueidentifier	Customer.address_id		
address1_addresstypecode	Mailing Address: Address Type	Picklist			
address1_city	Mailing Address: City	String	Address.city		
address1_composite	Mailing Address	Memo		Transform Based on address fi	elds
address1_country	Mailing Address: Country/Region	String	Address.country		
address1_county	Address 1: County	String			
address1_fax	Address 1: Fax	String			
address1_freighttermscode	Address 1: Freight Terms	Picklist			
address1_latitude	Address 1: Latitude	Double			
address1_line1	Address 1: Street 1	String			
address1_line2	Address 1: Street 2	String			
address1_line3	Address 1: Street 3	String			
address1_longitude	Address 1: Longitude	Double			
address1 name	Address 1: Name	String			
address1_postalcode	Mailing Address: Postal Code/ZIP	String	Address.postal_code		
address1_postofficebox	Mailing Address: BOX	String			
address1_primarycontactname	Address 1: Primary Contact Name	String			
address1_shippingmethodcode	Address 1: Shipping Method	Picklist			
address1_stateorprovince	Mailing Address: Province/State	String			
address1 telephone1	Address 1: Phone	String			
address1 telephone2	Address 1: Telephone 2	String			
address1 telephone3	Address 1: Telephone 3	String			
address1 upszone	Address 1: UPS Zone	String			
address1 utcoffset	Address 1: UTC Offset	Integer			
address2 addressid	Address 2: ID	Uniqueidentifier			
address2 addresstypecode	Billing Address: Address Type	Picklist			
address2 city	Billing Address: City	String			
address2 composite	Billing Address	Memo			
address2 country	Billing Address: Country/Region	String			
address2 county	Address 2: County	String			
address2 fax	Address 2: Fax	String			
address2 freighttermscode	Address 2: Freight Terms	Picklist			
address2 latitude	Address 2: Latitude	Double			
address2_line1	Billing Address: Address 1	String			
address2 line2	Billing Address: Address 2	String			
	Source (Customer) +				

## DATA MIGRATION: DATA MAPPING

1	Δ	В	С	D	A Logical Name		B Display Name	C	D Source Mapping	E Transformation Required	F Notes
-	Logical Name	Display Name	Туре	Source Manning	2 accountid	,	Account	Lookup	Customer.customer_id	Transformation Required	votes
		. ,	• • • • • • • • • • • • • • • • • • • •		accountrolecode address1 addressid		Role Address 1: ID	Picklist Uniqueidentifier	Customer.address id		
	accountid	Account	Lookup	Customer.customer_	5 address1_addresstypecod	le r	Mailing Address: Address Type	Picklist			
	accountrolecode	Role	Picklist		6 address1_city 7 address1_composite		Mailing Address: City Mailing Address	String Memo	Address.city	Transform Based on address fields	
	address1_addressid	Address 1: ID	Uniqueidentifier	Customer.address_ic	8 address1_country 9 address1_county		Mailing Address: Country/Region Address 1: County	String String	Address.country		
		Mailing Address: Address Type	Picklist		0 address1_fax	,	Address 1: Fax	String			
6	address1_city	Mailing Address: City	String		1 address1_freighttermscool 2 address1 latitude		Address 1: Freight Terms Address 1: Latitude	Picklist Double			
7	address1_composite	Mailing Address	Memo		3 address1_line1	,	Address 1: Street 1	String			
8	address1_country	Mailing Address: Country/Region	String	Address.country	4 address1_line2 5 address1_line3		Address 1: Street 2 Address 1: Street 3	String String			
9	address1_county	Address 1: County	String		6 address1_longitude 7 address1_name		Address 1: Longitude Address 1: Name	Double String			
10	address1_fax	Address 1: Fax	String		8 address1_postalcode	ı	Mailing Address: Postal Code/ZIP	String	Address.postal_code		
11	address1 freighttermscode	Address 1: Freight Terms	Picklist		9 address1_postofficebox 0 address1_primarycontactr		Mailing Address: BOX Address 1: Primary Contact Name	String String			
12	address1 latitude	Address 1: Latitude	Double	2	1 address1_shippingmetho	dcode	Address 1: Shipping Method	Picklist			
	address1 line1	Address 1: Street 1	String		2 address1_stateorprovince 3 address1_telephone1	·	Mailing Address: Province/State Address 1: Phone	String String			
	address1 line2	Address 1: Street 2	String		4 address1_telephone2 5 address1_telephone3		Address 1: Telephone 2 Address 1: Telephone 3	String String			
	address1 line3	Address 1: Street 3	String	-	6 address1_upszone	,	Address 1: UPS Zone	String			
	address1 longitude	Address 1: Street 5 Address 1: Longitude	Double		7 address1_utcoffset 8 address2 addressid		Address 1: UTC Offset Address 2: ID	Integer Uniqueidentifier			
					9 address2_addresstypecod	le I	Billing Address: Address Type	Picklist			
	address1_name	Address 1: Name	String		address2_city address2_composite		Billing Address: City Billing Address	String Memo			
	address1_postalcode	Mailing Address: Postal Code/ZIP	String	Address.postal_code	2 address2_country 3 address2_county		Billing Address: Country/Region Address 2: County	String String			
	address1_postofficebox	Mailing Address: BOX	String		4 address2_fax	,	Address 2: Fax	String			
	address1_primarycontactname	Address 1: Primary Contact Name	String		5 address2_freighttermscoo 6 address2_latitude		Address 2: Freight Terms Address 2: Latitude	Picklist Double			
21	address1_shippingmethodcode	Address 1: Shipping Method	Picklist	3	7 address2_line1		Billing Address: Address 1	String			
22	address1_stateorprovince	Mailing Address: Province/State	String		8 address2_line2		Billing Address: Address 2	String			
23	address1_telephone1	Address 1: Phone	String		Target (Acco	Source (Custom	ier) (+)			: 4	
24	address1_telephone2	Address 1: Telephone 2	String								
25	address1_telephone3	Address 1: Telephone 3	String								
26	address1_upszone	Address 1: UPS Zone	String								
	address1_utcoffset	Address 1: UTC Offset	Integer								
	address2 addressid	Address 2: ID	Uniqueidentifier								
	_	Billing Address: Address Type	Picklist								
	= ::	Billing Address: City	String								
		Billing Address	Memo								
		Billing Address: Country/Region	String								
		Address 2: County	String								
	address2_county	·									
	address2_fax	Address 2: Fax	String								
	address2_freighttermscode	Address 2: Freight Terms	Picklist								
	address2_latitude	Address 2: Latitude	Double								
	address2_line1	Billing Address: Address 1	String								
	address2_line2	Billing Address: Address 2	String								
	Target (Account) Source (Custon	mer) (+)		<u> </u>							
	Target (Account)	mer)   T				: 4					

## EXTRACT

## KINGSWAYSOFT MIGRATION STARTER PACK



http://www.kingswaysoft.com/downloads/samples/CrmMigrationStarterPack.zip

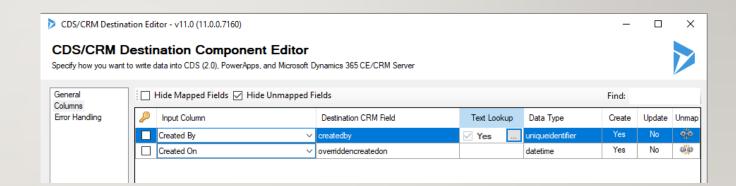
#### DATA MIGRATION: AUDIT FIELDS

#### Audit Fields: Can't be written to Directly

- createdby
- createdon
- modifiedby
- modifiedon

#### **Solution:**

- Set createdon date by using overriddencreatedon field.
- createdby can be set by using Service Proxy Impersonation
- modifiedby can be set by using Service Proxy Impersonation as well, but it adds complexity
- Writing to modifiedon is not supported. If absolutely necessary you can write to modifiedon by using a Plugin, create another field on the entity to hold the desired modified on value, create a Pre create plugin which sets the modifiedon to the desired value and update it.



### DATA MIGRATION: RELATIONSHIP DEPENDENCY

Corporation Contoso: Primary
Contact (zoe)

Doe : Account (Corporation Contoso)

Zoe : Account (Corporation Contoso)

#### Approach:

- > Sequence/order of data migration is key
- > Do multiple passes to migrate data in Stages

#### Steps:

- Migrate "Corporation Contoso" without Primary Contact info
- Migrate "Doe" and "Zoe" contacts with all the details
- Update "Corporation Contoso" with Primary contact to "Zoe"

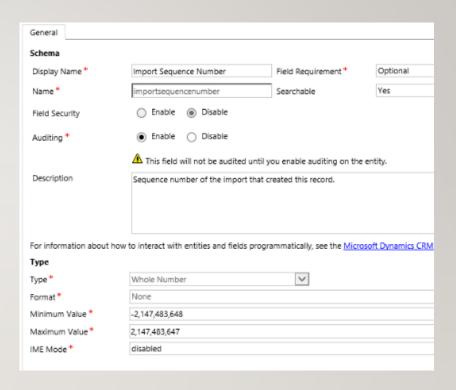
#### DATA MIGRATION: MIGRATION CONSIDERATION

#### Data Insert method? create Vs upsert:

- Create is significantly faster
- Upsert allows packages to be rerun without deleting all the data \*

#### **Track Source and unique identifiers:**

- Create Source(text) field to track data source
- > Create Source Id(text) field to track unique record Identifier
- > Can create Alternate key to ensure uniqueness and better indexing for upsert



#### Importsequencenumber:

- > Built in field to track Import Sequence, can be used instead of custom "Source Id"
- Number field to unique id had to be numeric
- > Can be useful for Batch Run, as you can use this as a parameter to track batch and for a failed/inaccurate batch entire data in that batch could be deleted.

### DATA MIGRATION: MIGRATION CONSIDERATION

#### Plan for special Entities:

- > Activity Entities: Task, Email, Notes, Phone calls, appointments
  - ➤ High Volume
  - Stored in multiple entities with varying states
- > Product Family/Foundational Entities: Currency, Unit, product, product Family, Price list
- ➤ Close Entities: Case, Opportunity, Quote, Order
- > Feature Parity:
  - Unified Interface
  - Business Process Flows
  - Dependencies of Workflow

### DATA MIGRATION: DOCUMENTS AND FILES

#### Migrate them as Notes or to SharePoint?

#### Dynamics 365 Notes:

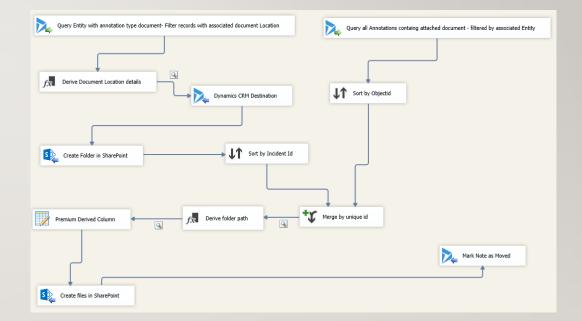
- Great for adding quick notes.
- Not the best solution for File attachments
- Editing and download experience is not great \* (PCF to rescue)
- Storage Cost (<a href="https://survivingcrm.com/2012/04/file-storage-and-crm-what-you-should-know/">https://survivingcrm.com/2012/04/file-storage-and-crm-what-you-should-know/</a>)

#### SharePoint:

- · Easy association, Searching, check in, check out
- Low storage cost

#### Suggestion:

- Migrate Notes(Text) as Notes
- Migrate Documents to SharePoint
- Can use SSIS/Scribe to migrate them
- > Sample Package : <a href="https://kunaltripathy.com/2018/07/22/migrate-dynamics-365-notes-attachments-sharepoint/">https://kunaltripathy.com/2018/07/22/migrate-dynamics-365-notes-attachments-sharepoint/</a>



#### DATA MIGRATION: MAPPING TABLE

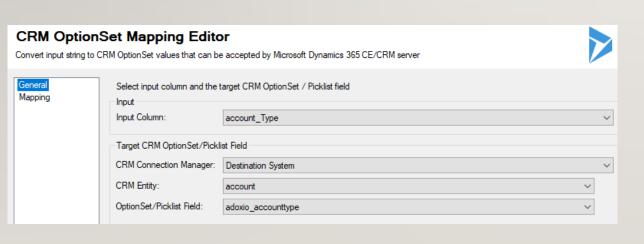
Configuration Data between source and target system could be different.

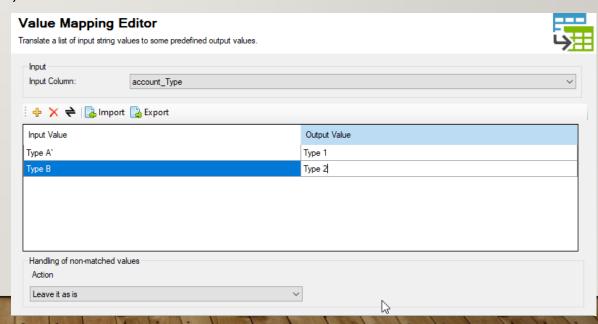
- Account Type
- Contact Type
- Case Type

This data should be either mapped at field level or mapped in another mapping sheet "Configuration Mapping",

#### **Approach to Transformation(SSIS)**

- > For Option Set use KingswaySoft option set Mapping
- > For Lookups or other field use KingswaySoft Value Mapping(Under Preview)\*



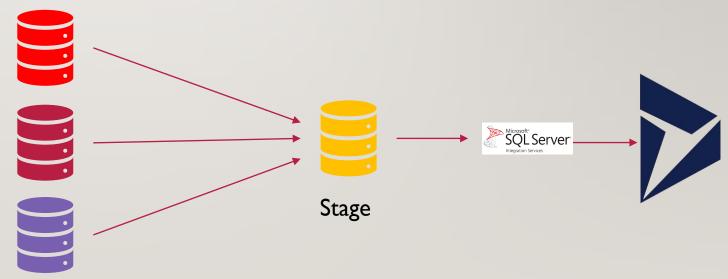


### DATA MIGRATION: STAGING DATABASE

**Staging database**: An intermediate storage area used for data processing during the extract, transform and load (ETL) process. It could be another SQL Database or new table and views at Source database.

#### **Best Used for:**

- Normalizing to multiple tables
- De Normalizing from multiple tables to single tables
- De-duping and Merging\*
- Cleansing\*
- Creating a Unified View



#### DATA MIGRATION: ERROR HANDLING

- Error Logging through Skipped Rows and Failure rows output
- Skipped Rows and error rows could recorded into another database or source database could be updated to mark error rows, this will make the job rerun simple.
- Iterative approach to build Data Migration Packages.
- For Timeout and sql Errors, Increase the Timeout duration and adjust the thread count and Batch size.

## CLEAN

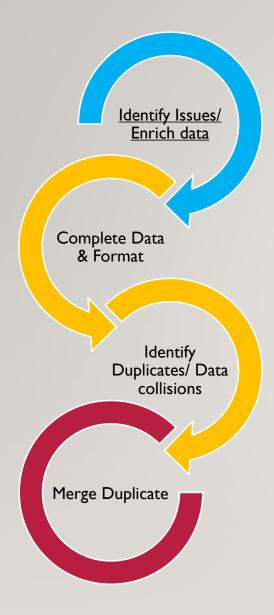
## OPTIMIZING DATA QUALITY

#### Data Migration is the best time to Clean data, Common area to Look at:

- Accounts: Duplicate, Inaccurate
- Contacts: Duplicate, Inaccurate
- Address: Inconsistent, incomplete
- Obsolete data

#### When is the best Time to Clean?

- Pre Migration?
- Post Migration?
- At source?
- Destination?

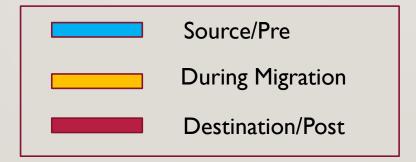


## OPTIMIZING DATA QUALITY

- Legacy Apps generally don't have tools to assist with data cleanup
- Cleaning and merging data in Stage could be challenging due to Associated Records.

Leverage Dynamics 365 Tools to deal with Merge

- Duplicate Detection
- Merge utility



## DATA CLEANING: DEDUPLICATION

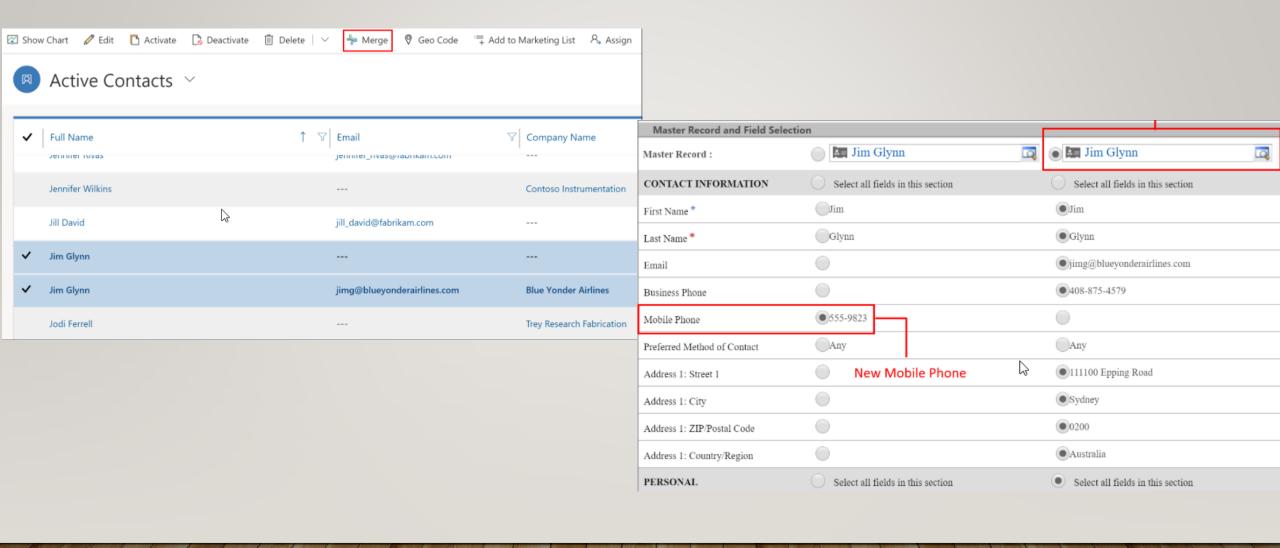
#### Strategy:

- Client Data Expert to determine what is duplicate
- Duplicate/irrelevant Data Removed as source, pre migration
- Duplicate data Identified and marked as Duplicate in CRM, Users are responsible for cleaning after migration

#### Tools

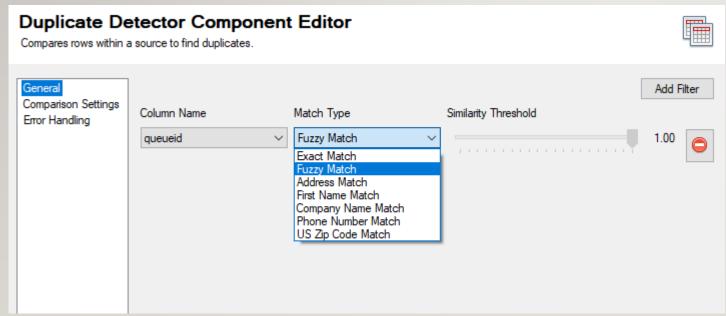
- Use CRM Duplicate Detection Tool
- Use KingswaySoft Duplicate Detector

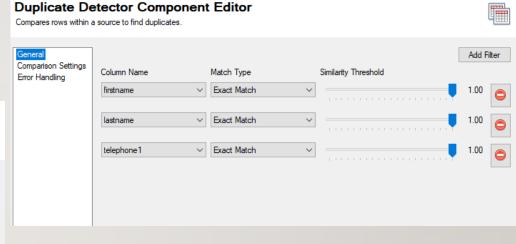
## DATA CLEANING: MERGE



## **DEDUPLICATION**: KingswaySoft duplicate detector

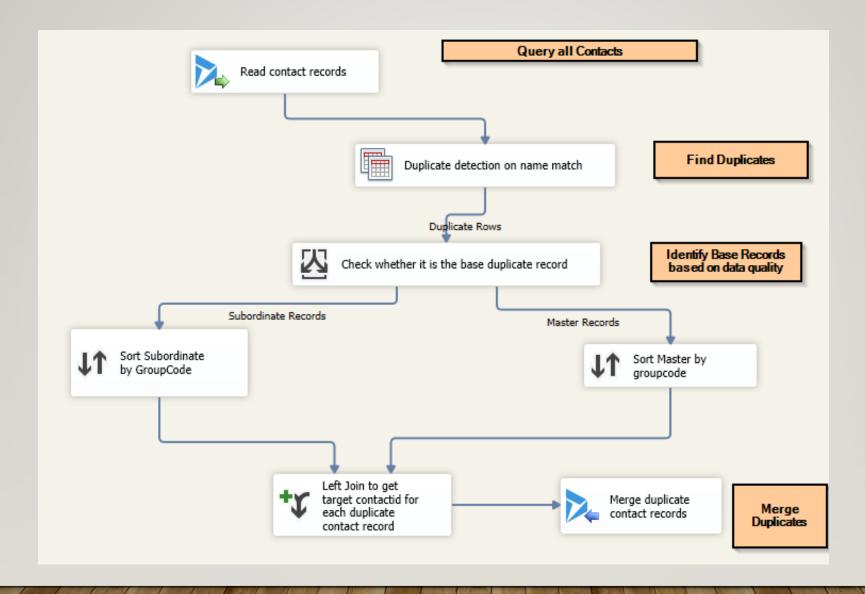
- KingswaySoft Duplicate Detector
- KingswaySoft Address Verification
- KingswaySoft Diff Detector





https://www.kingswaysoft.com/products/ssis-productivity-pack

## **DEDUPLICATION: DYNAMICS 365 DEDUPLICATION**



# LOAD

#### WEEKEND DATA LOAD STRATEGY April Mor RECOMMENDED Subjects Start Found new Migration Found Issues Migration Continues rectified issues, **Business** Friday Wednesday Saturday lost confidence

## DATA LOAD STRATEGY - I

## Primary Load

Load all legacy Data

#### Delta Load/cutover

 Load data accumulated since Primary load

## DATA LOAD STRATEGY - II

#### Primary Load

Load all legacy
 Data to a Pre-set
 Date

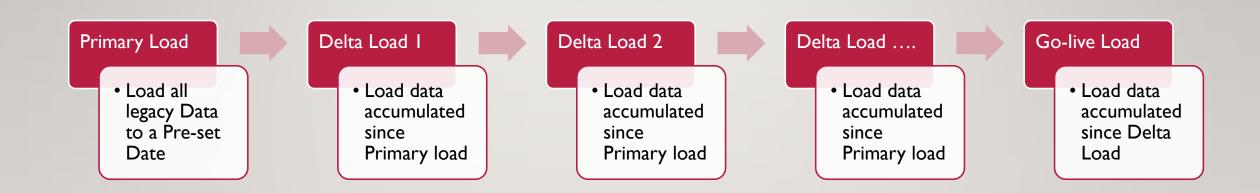
#### Delta Load

 Load data accumulated since Primary load

#### Go-live Load

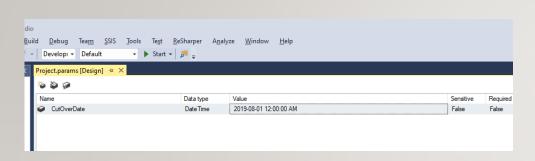
 Load data accumulated since Delta Load

## DATA LOAD STRATEGY - III

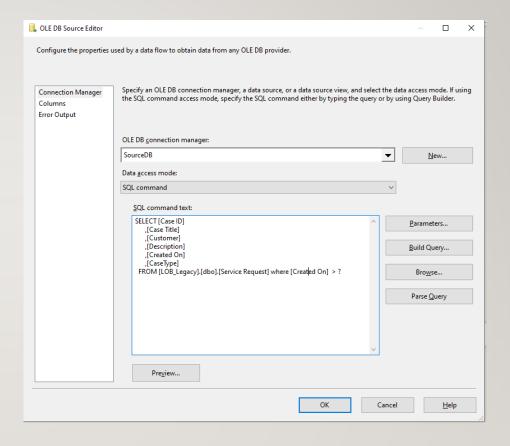


Multiple Iteration to cleanse and validate data – Complex enterprise data Migration

## CREATE PACKAGES TO SUPPORT DELTA LOADS



Create SSIS Parameter to have a Cutover Date



Create Source query to Include Parameter as filter criteria.

# VALIDATE

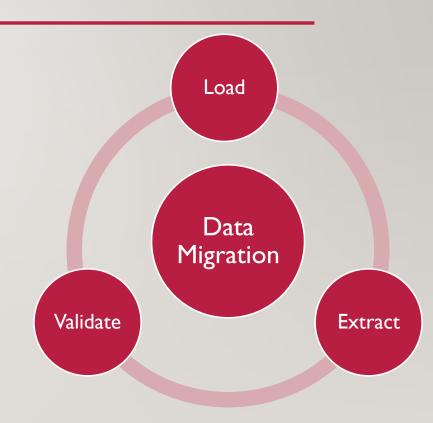
## DATA VALIDATION

#### Strategy:

- Data Validation is continuous Process
  - Validate Data is mapped correctly
  - Ensure all the requisite data is being extracted
  - validation is required to ensure data has been loaded correctly
- Engage Business user and Functional for validation as well as mapping

#### Tools

Record Counter Plugin in XRMToolbox



# API LIMITS & PERFORMANCE

## DATA MIGRATION: PERFORMANCE OPTIMIZATION

#### Latency

CRM diagnostic Tool

https://<Dynamics OrgName>.crm.dynamics.com/tools/diagnostics/diag.aspx.

- Keep latency as low as possible.
- If using Azure VM, Host the VM in same Geo as CRM.

#### **Dynamics 365 Diagnostics**

Diagnostic tests:

Data Point	Action	Status	Results Summary
Latency Test		complete	57 ms
Bandwidth Test		complete	264 KB/sec
Browser Info		complete	
IP Address		complete	
JavaScript Array Benchmark		complete	100 ms
JavaScript Morph Benchmark		complete	15 ms
JavaScript Base64 Benchmark		complete	1 ms
JavaScript Dom Benchmark		complete	8 ms
Organization Info		complete	org47daa70e
All Tests	Run	complete	

Results:

Clear

E-Mail Results

```
Client Time: Tue, 24 Sep 2019 07:40:12 GMT
=== DOM Benchmark ===
Total Time: 8 ms
Breakdown:
  Append: 1ms
 Prepend: 3ms
 Index: 0ms
 Insert: 2ms
 Remove: 2ms
Client Time: Tue, 24 Sep 2019 07:40:12 GMT
=== Organization Info ===
Organization name: org47daa70e
Is Live: True
Server time: 9/24/2019 4:11:47 AM UTC
Url: https://kt131.crm.dynamics.com//tools/diagnostics/diag.aspx
Client Time: Tue, 24 Sep 2019 07:40:12 GMT
```

## DATA MIGRATION: D365 API LIMITS



Burst Throttle Limit: 6000 per user within a sliding window of 5 minutes\*



24 Hours Limit : License based, 20K API request/24 Hours for Enterprise application user

• Additional Capacity Add-on's will add 10K/24 hours

## DATA MIGRATION: D365 API LIMITS

User licenses	Number of API requests / 24 hours
Dynamics 365 Enterprise applications*	20,000
Dynamics 365 Professional **	10,000
Dynamics 365 Team Member	5,000
PowerApps per user plan	5,000
Microsoft Flow per user plan	5,000
Office licenses (that include PowerApps/Microsoft Flow)	2,000
Application user / Non-interactive users	See section below

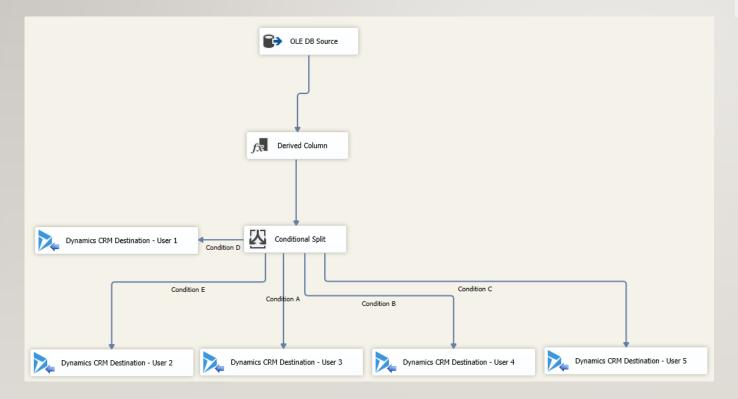
New 24 hour Per user limits effective October.

## DATA MIGRATION: D365 API LIMITS

Limits	Burst Throttle Limit	24 Hours Limit
Who does it apply to?	Apply to all	License based
What is the limit?	6000 per user within a sliding window of 5 minutes* 4000 for trials.	20K API request/24 Hours for Enterprise application user
How to increase the Limit	Can't be changed.	Additional Capacity Add-on's will add 10K/24 hours per user
Enforced?	Yes, will Error out with error code -2147015902, -2147015903 or -2147015898. Error includes" Retry-After" timespan.	Not yet but will be in future, Reports available from admin dashboard for analysis and understanding usage.
Record processing throughput	240,000 records per minute (with a batch size of 200)	Same as long as user has not exceeded 20K record limit.
Options	Split Data Across Multiple Users. Use Batch processing.	As its not enforced, exceeding the limit for one off data load might be ok, but for consistent load additional license needs to be procured.

## DATA MIGRATION: BULK LOAD

Split Data using conditional split with multiple Destination using different users

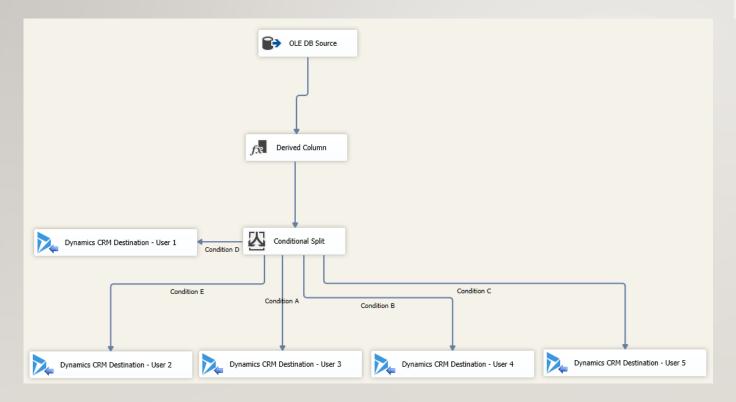


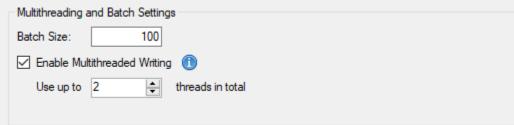


Use Multi Threaded writing with 100/200 Batch size based on Latency

## DATA MIGRATION: BULK LOAD

Split Data using conditional split with multiple Destination using different users



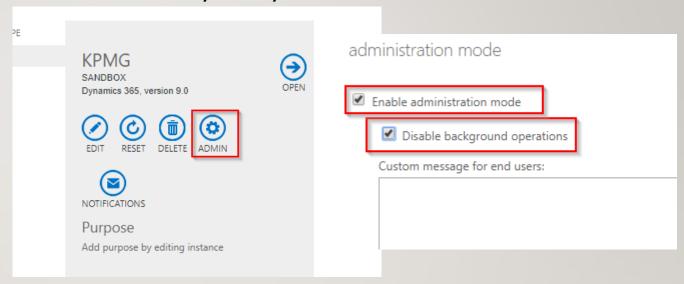


Use MultiThreading with 100/200 Batch size based on Latency

## DATA MIGRATION: PERFORMANCE OPTIMIZATION

- ➤ Disable all Plugins and Workflows
- ➤ Disable Duplicate Detection Jobs
- ➤ Disable auditing
- Optimize plugin/workflow that may need to run.

#### **CRM Online:** you may use Administrative mode



**CRM On Premise:** you can disable them manually or programmatically using SSIS and other tools.

## DATA MIGRATION: PERFORMANCE OPTIMIZATION

- Enable RCSI: ReadCommittedSnapshotisolationEnabled to True
- Enable Snapshot: SnapshotIsolationEnabled to true
- SqlCommandTimeout from 30 top 300
- MaxWorkerProcessHandleCount
- ExecuteMultiplePerOrgMaxConnectionPerServer

Monitor Resource usage on your Migration Server, CRM Server and database server, poor performance could be caused by poor infrastructure

### BEST PRACTICE & LEARNINGS

- Know your Data, understanding the data is key to ensuring effective Integration. Engage
   LOB SME for understanding Data and process
- Data Mapping exercise prior to Integration and Identifying and defining "System of Record" or Master Record Set helps in maintaining Data integrity.
- Use Service Accounts for Data Migration
- Migrate for a sample data set first and validate before running full migration
- Let Platform generate Guids, don't self generate them

#### **RESOURCES**

#### Reach Me:

E-mail <a href="mailto:kunal.Tripathy@Adoxio.com">kunal.Tripathy@Adoxio.com</a>
Twitter <a href="mailto:windle:oincom">windle:oincom</a>
Blog <a href="https://Kunaltripathy.com">https://Kunaltripathy.com</a>

#### API Limits:

- https://docs.microsoft.com/en-us/dynamics365/customer-engagement/developer/apilimits
- https://docs.microsoft.com/en-us/power-platform/admin/api-request-limitsallocations#non-licensed-usersapplication-users
- https://powerplatform.se/api-per-user-limits-the-good-the-bad-and-the-ugly/

#### Fast Track Migration Program:

- Fast Track: <a href="https://docs.microsoft.com/en-us/dynamics365/get-started/fasttrack/customer-engagement/microsoft-fasttrack-dynamics-365">https://docs.microsoft.com/en-us/dynamics365/get-started/fasttrack/customer-engagement/microsoft-fasttrack-dynamics-365</a>
- Migration Guide: <a href="https://download.microsoft.com/download/6/D/6/6D67BDEA-ID67-42B4-A52A-CFI3CD547CB5/OPtoCRMOnlineMigration.pdf">https://download.microsoft.com/download/6/D/6/6D67BDEA-ID67-42B4-A52A-CFI3CD547CB5/OPtoCRMOnlineMigration.pdf</a>
- Migration Guide: <a href="http://download.microsoft.com/download/5/4/5/5457368C-676A-4520-8874-6D2B29AE33B5/dynamicscrmoptodynamics365migration.pdf">http://download.microsoft.com/download/5/4/5/5457368C-676A-4520-8874-6D2B29AE33B5/dynamicscrmoptodynamics365migration.pdf</a>

#### SSIS Sample Code/Starter pack:

- Starter Pack: https://www.kingswaysoft.com/downloads/samples/CrmMigrationStarterPack.zip
- Notes Migration: <a href="https://kunaltripathy.com/2018/07/22/migrate-dynamics-365-notes-attachments-sharepoint/">https://kunaltripathy.com/2018/07/22/migrate-dynamics-365-notes-attachments-sharepoint/</a>
- Portal Migration: <a href="https://kunaltripathy.com/2018/09/09/migrate-adxstudio-portals-dynamics-365-portals/">https://kunaltripathy.com/2018/09/09/migrate-adxstudio-portals-dynamics-365-portals/</a>

## Overall Event Feedback



## Agenda

Time	Room 1	Room 2	
09:00 – 10:00	Keynote – Matthew Mead		
10:10 – 11:10	Empower! Improving business processes with the Power Platform – Victor Dantas	Getting started with PowerApps Component Framework (PCF) – Alex Shlega	
11:15 – 12:15	Enterprise CRM Implementation – An Analyst's perspective – Lyndsay Kowalick	Get started with Dynamics 365 Virtual Agent for Customer Service – Dhina Gajavarathan	
12:15 – 1:00	Lunch Break		
1:00 - 2:00	Setting up Continuous Integration (CI) and Continuous Delivery (CD) for PowerApps/D365 CE – Alex Shlega	Dynamics 365 Data Migration Demystified – Kunal Tripathy	
2:10 – 3:10	PowerApps Lab – 365 Saturday Team	Getting the Most Out of the Field Service Mobile App – George Gingerich	
3:15 – 4:00	Close & Swag		