

Saving Configuration time using Oracle iSetup

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Agenda

Objectives

Implementation Challenges

iSetup Overview

Key Components

Using iSetup

Troubleshooting iSetup Issues

Resources

Objectives

Following this session, you should be able to do the following:

- Understand iSetup features and its components
- Use iSetup to configure a new instance
- Use iSetup to copy configuration data from one instance to another
- Troubleshoot iSetup issues

Implementation Challenges

- Configuring instances is an unavoidable step in our implementations and depending upon the complexity of an implementation, time to configure an instance can take from a couple of days to more than a week.
- During the course of any implementation, we typically configure four to five instances.
- Although tools like Dataloader, Logical Apps and Kintana exist in the marketplace, they do not provide a comprehensive solution for minimizing configuration time:
 - Kintana and Logical Apps are primarily used for migrating AOL and RICE objects
 - Classic Dataloader can be very unreliable if the network connectivity is slow and Professional Dataloader is not very good when configuration involves multiple windows. Also, Professional Dataloader can not be used for OA Framework screens
- Manual configuration can get quite monotonous and is prone to errors.

Would you believe me if I were to say...

... that I configured 90 inventory organizations in under three hours^(); configuration included defining HR Locations, Organizations, Inventory Parameters, Subinventories, Shipping Networks (around 4000 combinations) and Receiving Options. And, I took less than two hours to migrate this data to another instance.*

() All configuration data was captured in a BR100 document prior to configuration*

Average time estimates for manual configuration

The following data illustrates average time taken to manually configure each of the entities stated in the previous slide:

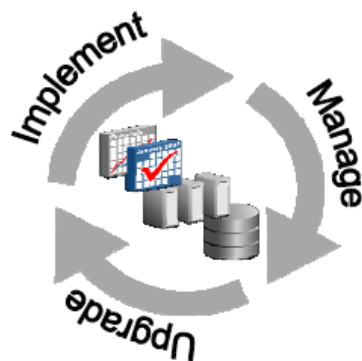
- HR Location – 1 minute
- Organization Definition – 1.5 minutes
- Inventory Org Parameters – 2 to 3 minutes
- Subinventory – 30 seconds
- Shipping Network – 20 seconds
- Receiving Options for an Organization - 3 minutes

Doing the math, time taken to configure 90 inventory orgs manually – 32 hours.

iSetup Overview

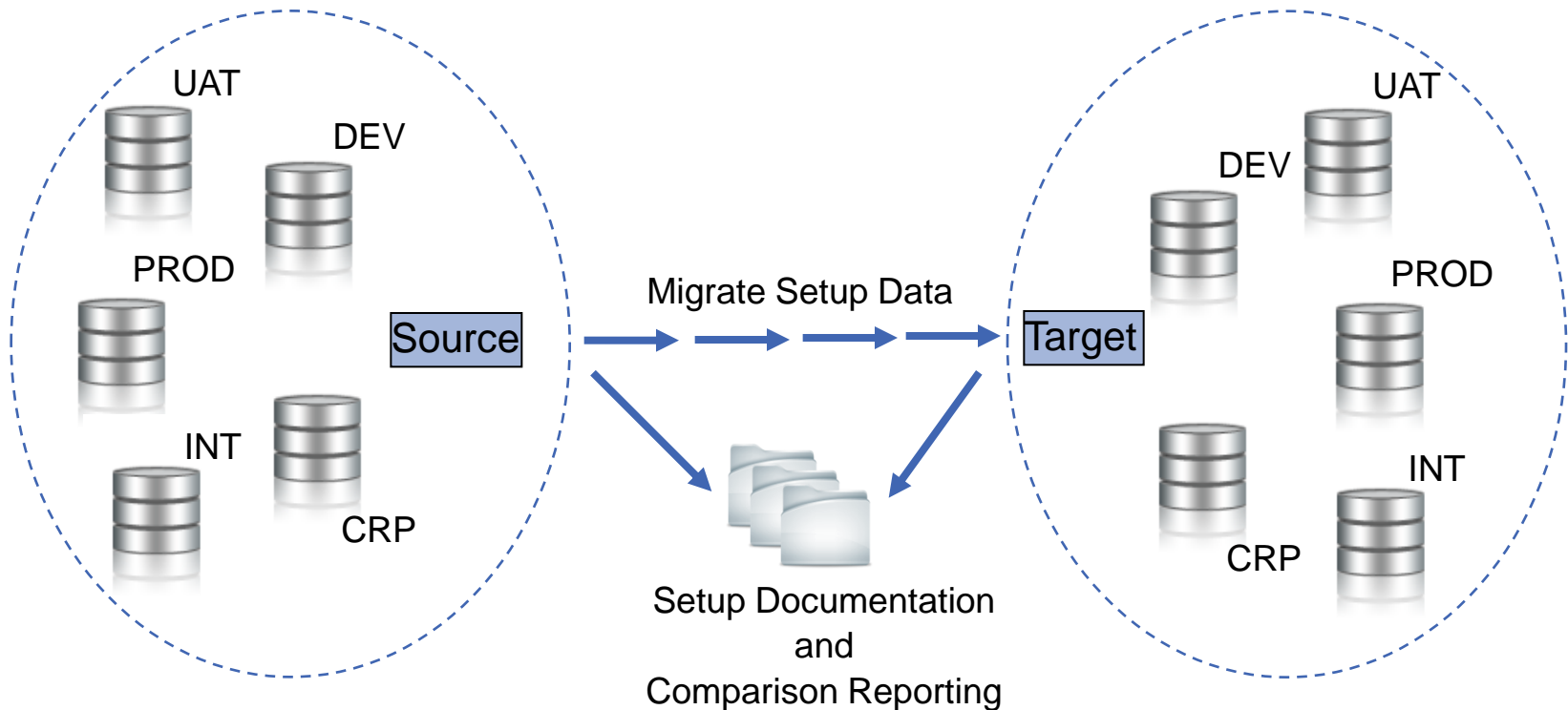
iSetup is part of e-Business suite's Lifecycle Management (LCM) toolkit and it helps in automating migration and monitoring of e-Business suite setup data.

Lifecycle
Management
Toolkit



iSetup Overview Continued

iSetup helps in migrating setup data from a source instance to a target instance and it also helps in documenting and comparing setup data between instances.



iSetup Footprint

iSetup supports the migration of following in 12.0.4:

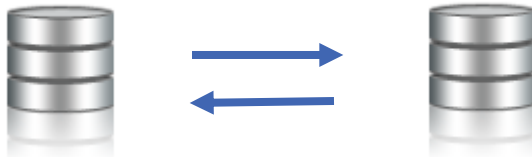
- General Foundation (AOL Objects)
- Product Foundation
- Oracle Financials Setup
- Financials Operating Unit Level Setup
- Organization Structure Setups
- Discrete Mfg and Distribution Setups
- Payroll Elements
- Profitability Manager Setups
- Transfer Pricing Setups
- Workflow Definitions
- XML Publisher
- OA Personalizations
- Suppliers and Employees
- Australian Leave Liability

The list continues to grow with future releases.

iSetup Components

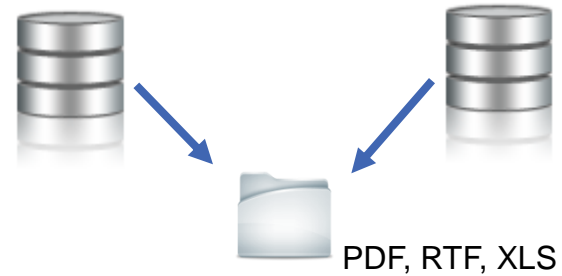
Migrator

Helps in migration of data between different e-business suite instances

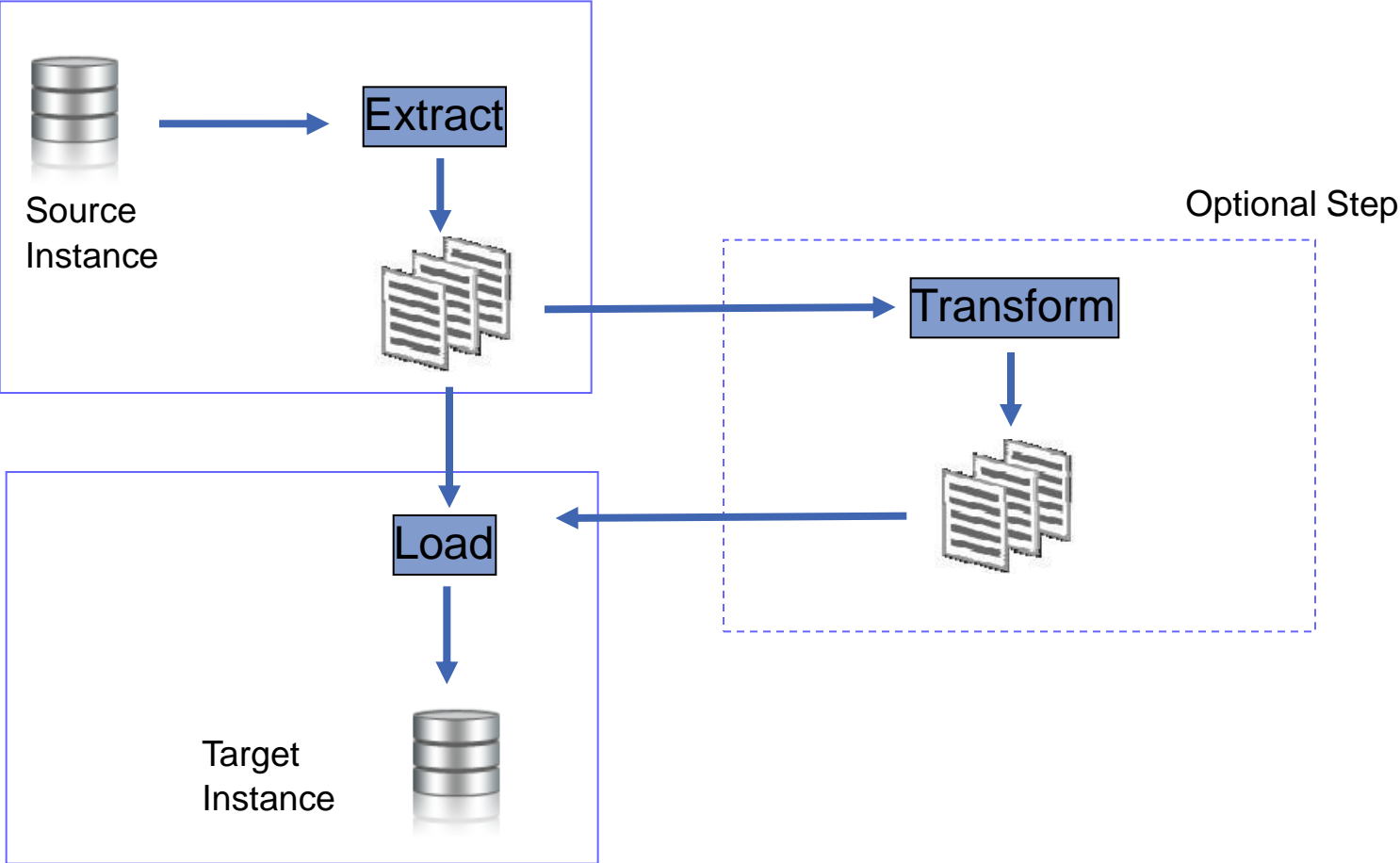


Reporter

Helps in generation of standard and comparison reports



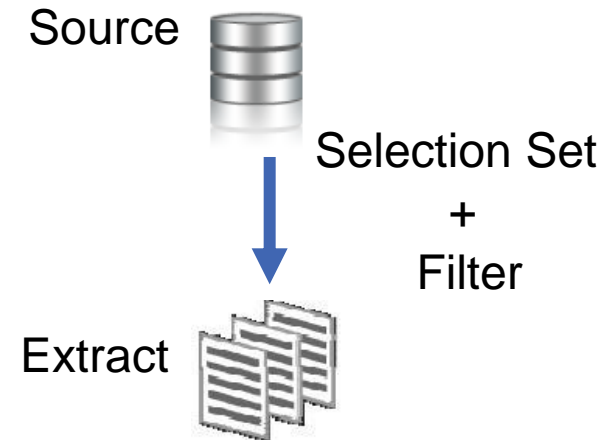
Migration Process



iSetup Migrator



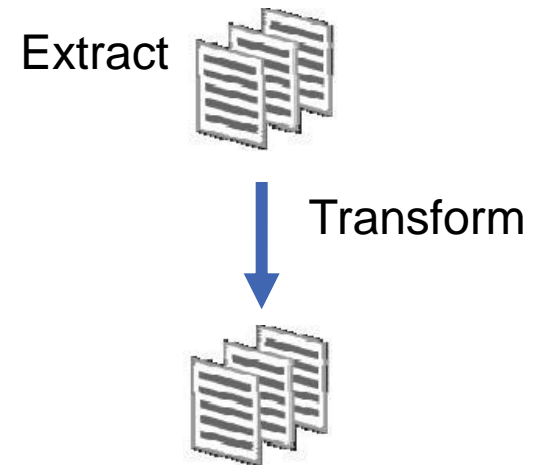
- Seeded or Custom Selection sets
- Enables filtering for extraction of data
- Ability to download the extracted data as a ZIP file



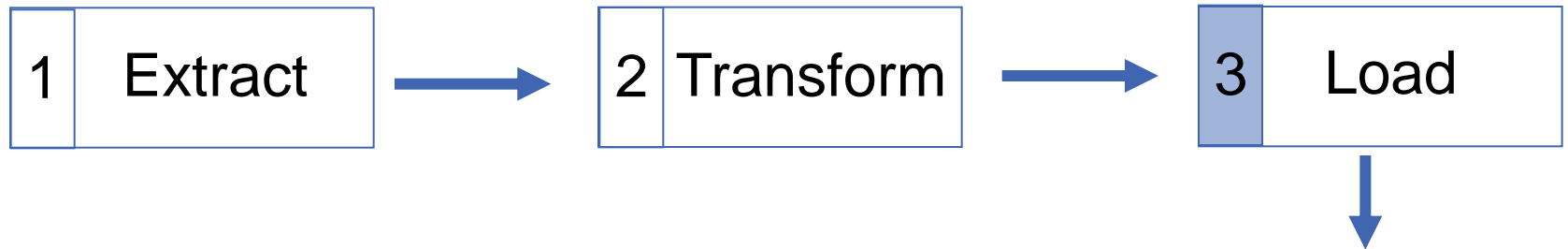
iSetup Migrator



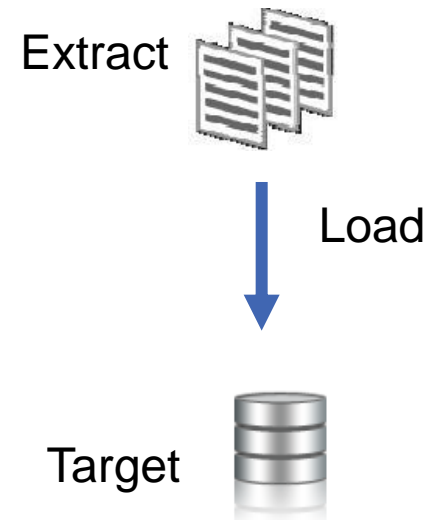
- Enables transformation of certain attributes of data prior to loading
- It is an optional step during the migration process



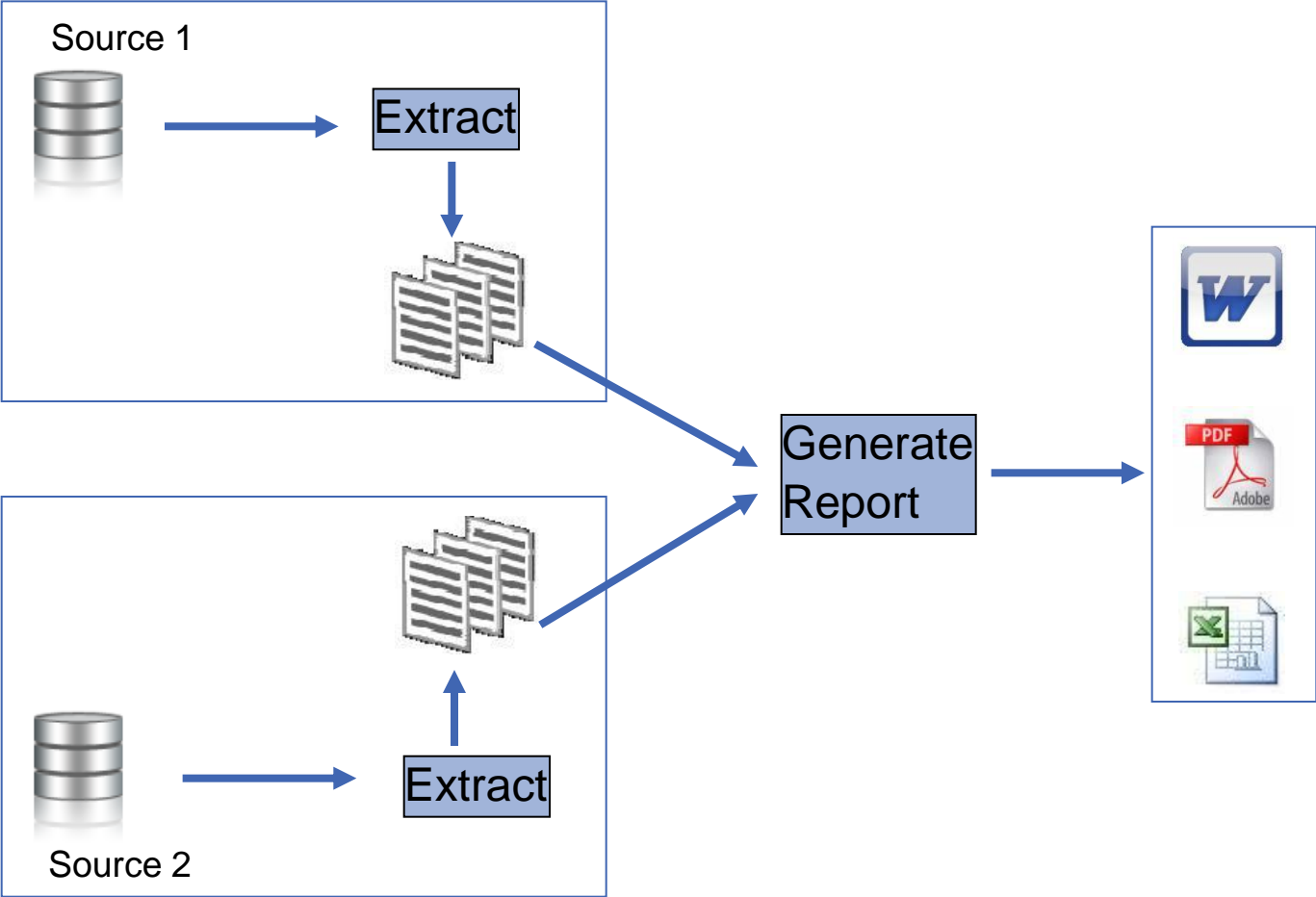
iSetup Migrator



- Ability to load data into multiple instances
- Ability to restart an incomplete load process

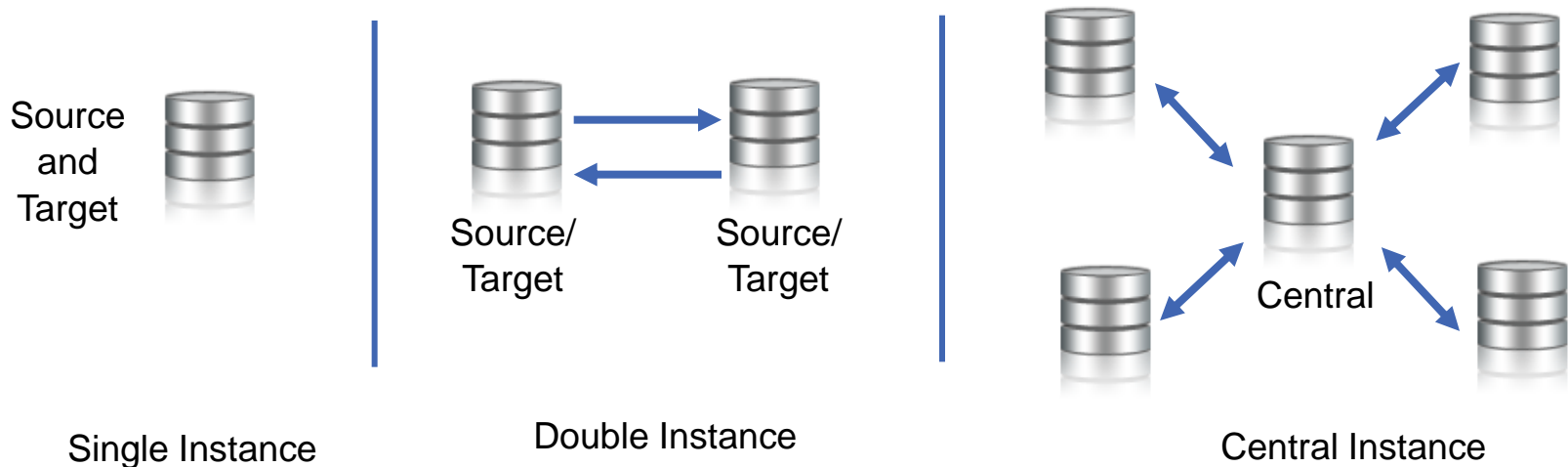


Reporting Process



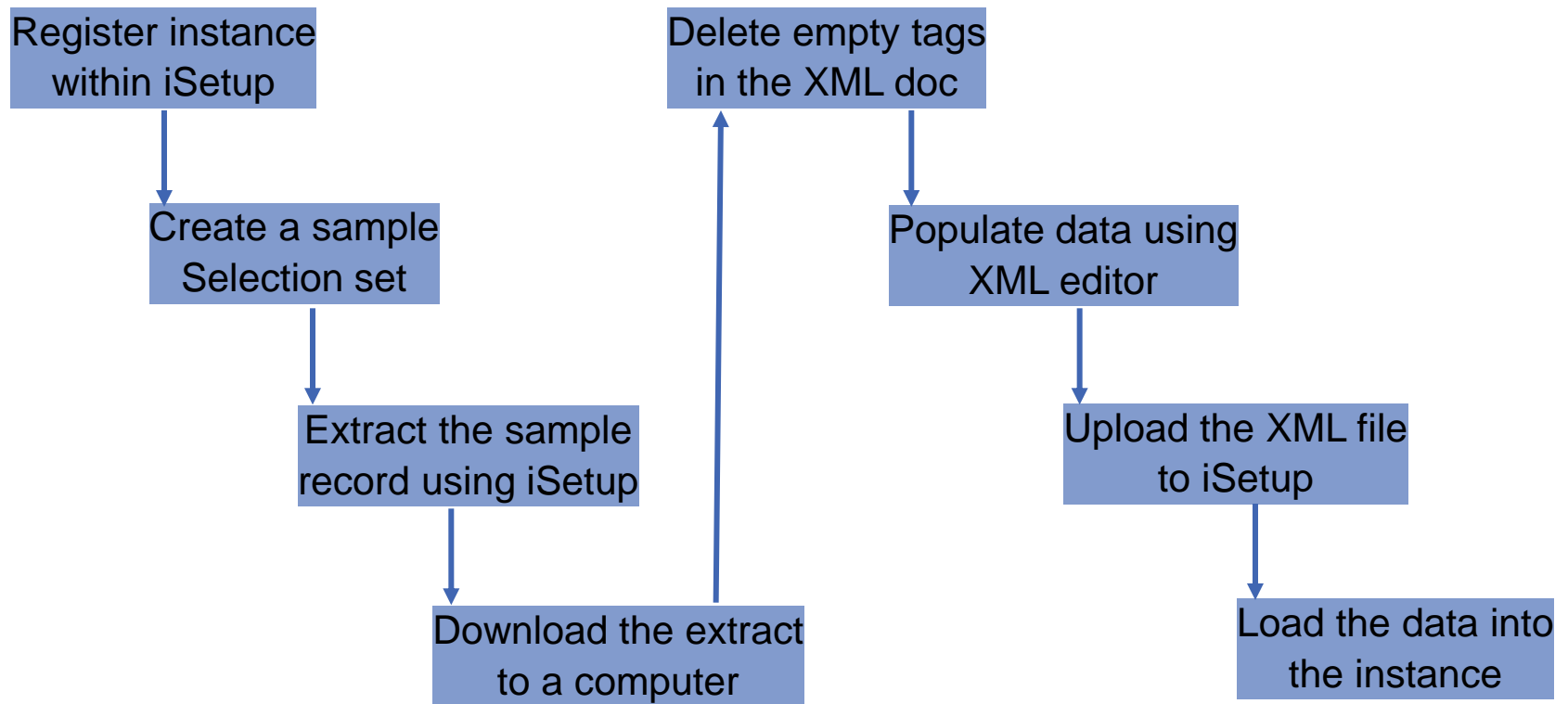
Using iSetup

- iSetup can be used in two ways –
 - Configure a brand new instance
 - Migrate setup data between instances
- All instances that use iSetup either for configuration or for migrating configuration data must be registered within the iSetup module.
- The following instance mapping topologies illustrate how iSetup can be used.



Demonstration – Using iSetup to configure an instance

- Majority of the entities in iSetup are extracted as XML documents, those entities can be configured efficiently using iSetup.
- A Grid XML editor will be necessary to create XML files.



Reporting

- Standard Reporting:
 - Allows users to view what has been extracted
 - Generates BR100 style reports
 - Reports can be viewed on the screen or can be downloaded as DOC, PDF or XLS files

- Comparison Reporting:
 - Allows users to compare data from two different sources
 - These reports can be very useful to identify discrepancies between instance
 - Comparison reports can also be viewed online or can be downloaded as DOC or PDF files
 - Provides an option to report the differences only

Standard Reports

- An extract is a pre-requisite to run reports.
- The *Standard Reports UI* is available under *Reports tab*.
- Users can create new reports, search for existing reports or delete reports using the *Standard Report* screens.

ORACLE® iSetup

Home Migrations **Reports** Administration

Standard | Comparison

Set Report Parameters Choose Objects Schedule

Generate Standard Report: Set Report Parameters

* Indicates required field

* Name USC Locations

* Data Source UAT_SCI_INV_LOCATION

Downloadable Report Format None

None
PDF
RTF
EXCEL

Cancel Step 1 of 3 Next

Cancel Step 1 of 3 Next

Home Migrations Reports Administration Home Logout Preferences Help Diagnostics

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Comparison Reports

- As in the case of Standard reports, extracts are pre-requisites for Comparison reporting.
- Only data from two sources can be compared.
- The *Comparison Reports UI* is available under *Reports tab*.
- Users can create new reports, search for existing reports or delete reports using the *Comparison Report* screens.

ORACLE® iSetup

Home Logout Preferences Help Diagnostics

Home Migrations Reports Administration

Standard | Comparison

Set Report Parameters Choose Objects Schedule

Generate Comparison Report: Set Report Parameters

* Indicates required field

* Name Location Diff

* Primary Data Source UAT_SCI_INV_LOCATION

* Secondary Data Source UAT_SCI_INV_LOC_UPD

Downloadable Report Format PDF

Show only differences in downloadable report

Cancel Step 1 of 3 Next

Cancel Step 1 of 3 Next

Home Migrations Reports Administration Home Logout Preferences Help Diagnostics

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Troubleshooting iSetup Issues

Instance Mapping Issues:

- Ensure that all the instances involved are at the same Release levels.
- Ensure that the central instance and other instances registered within the central instance are at the same AZ patch set level. The following SQL can be run to determine the AZ patch set - *'Select max(patch_level) from ad_patch_driver_minipks where patch_level like '%AZ%'.*
- Ensure that the *iSetup* responsibility is assigned to the user in all instances.
- Ensure that the dbc files of the remote instances are copied to \$FND_TOP/secure directory of the central instance.
- DBC filenames are case sensitive.
- If an environment has multiple nodes, the DBC files should be copied to all nodes.

Troubleshooting iSetup Issues Continued

Extract and Load Issues

- If the extract and load concurrent programs fail in an error or a warning status, check the log files. If the profile option *AZ: Debug Mode* is set to 'Yes' iSetup generates a detailed log.
- If an extract is running into memory issues, verify that the profile option *AZ: VO Fetch Size* is not set to a lower value. Oracle recommends 100.
- If a load is running into memory issues, verify that the profile option *AZ: Commit Row Count* is not set to a lower value. Oracle recommends 1000.
- Ensure that the dbc file of the central instance is available in the source and target instances.

Reporting Issues

- If User Interface (UI) response time is low while viewing the online reports, change the Profile value of *AZ: Reporter Max Records* to a lower value. However all the records may not be shown in that case. The maximum valid value you can set to this profile is 200.

Finally, use Metalink

Resources

- Oracle's iSetup Forum

<http://forums.oracle.com/forums/forum.jspa?forumID=503>

- Metalink

- iSetup User Guide

http://download.oracle.com/docs/cd/B40089_10/current/acrobat/120azug.pdf

- XML Grid Editor – <http://www.oxygenxml.com>

- dbuduru@deloitte.com

Review & Summary

How did we do? Are you ready to:

- Explain iSetup features and its components
- Use iSetup to copy configuration data from one instance to another
- Use iSetup to configure a new instance
- Build custom interfaces
- Troubleshoot iSetup issues

Questions?

Deloitte.

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