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Hello
CHICAGO



The Fundamentals of Electronic Reporting

Speaker



Daniel Burkeen
Functional Consultant
Logan Consulting

About Logan Consulting

- Logan Consulting has over 30 years of experience with ERP implementations, upgrades, & support
- Logan specializes in Manufacturing, Distribution, & Service Industries
- Microsoft Dynamics ERP Gold Partner since 2003
- AXUG/D365UG Member and Gold Contributor since 2014
- **Core Services:**
 - Dynamics AX/365 Assessment, Implementation, Optimization, and Support
 - Dynamics AX/365 Business Process Design
 - Program & Project Management

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Session Objectives

What will you learn today?

1. Components of Electronic Reports
2. What goes into configuration of Electronic Reports
3. How to modify templates via Business Document Management

Session Agenda

- Overview of Electronic Reporting
- Target Users
- Components of Electronic Reports
- Globalization Studio
- Business Document Management
- Demo in D365
- Use Cases & Takeaways

What is Electronic Reporting?

What is Electronic Reporting?

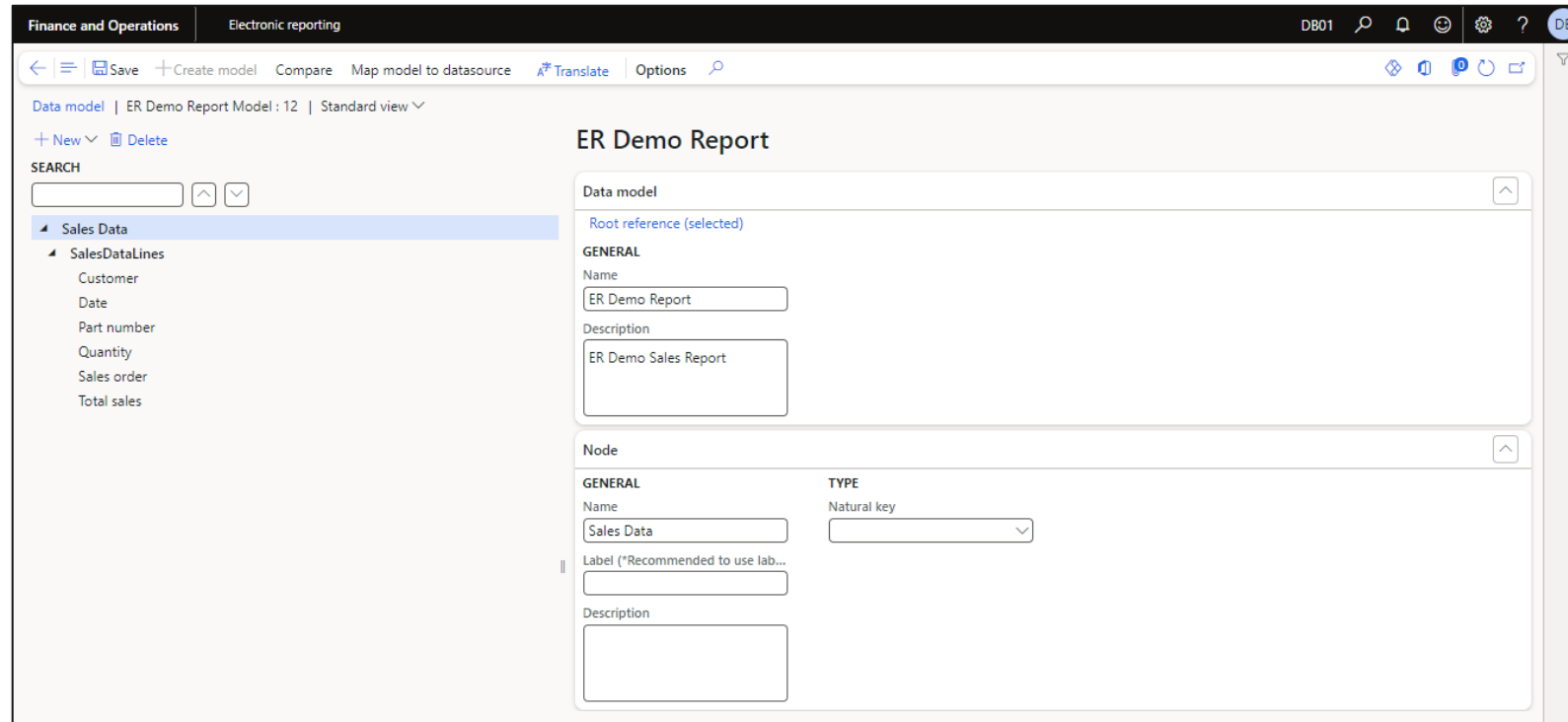
- Originally Generic Electronic Reporting
- Paper is phasing out
- Increasingly complex legal requirements
- Low-code/no-code solution

What is Electronic Reporting?

- One “Data Model”, multiple “Data Formats”
 - Excel & Word
 - Fillable PDFs
 - Text
 - XML & OpenXML
 - JSON
 - Extensible to other formats

What is Electronic Reporting?

- Graphic user interface



The screenshot displays the 'ER Demo Report' configuration window within the 'Finance and Operations' application. The interface is divided into several sections:

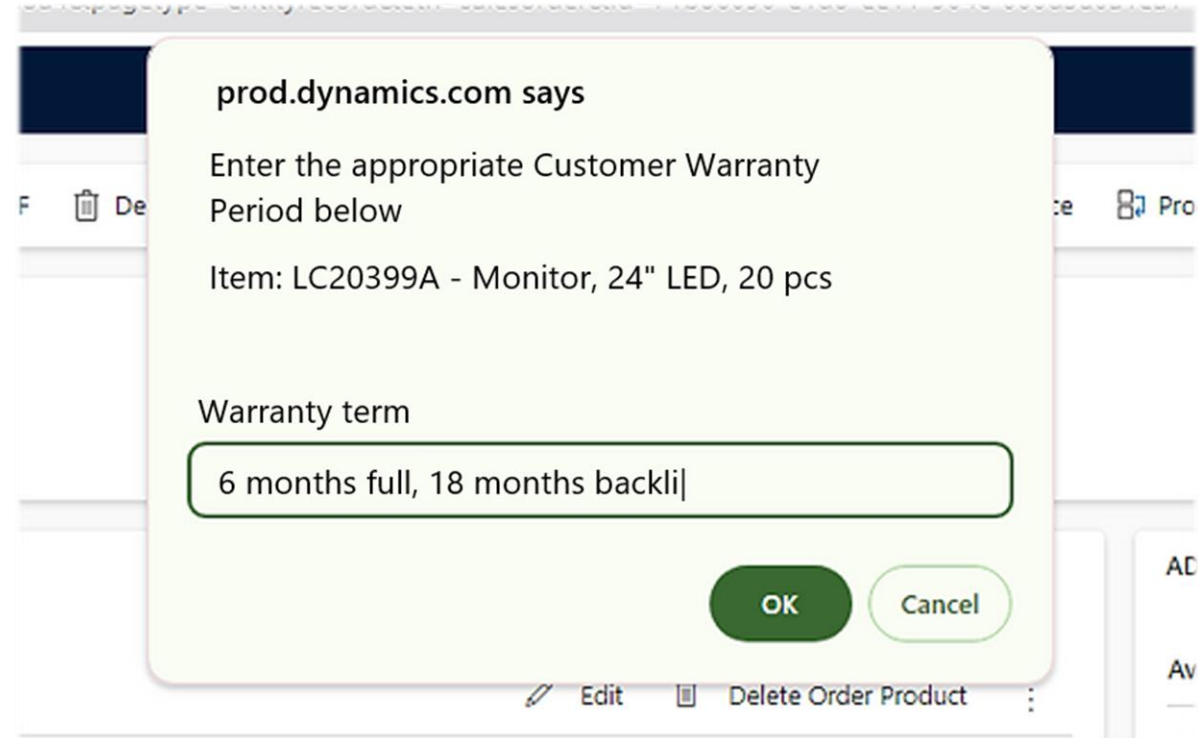
- Navigation Bar:** Includes 'Save', 'Create model', 'Compare', 'Map model to datasource', 'Translate', and 'Options'.
- Left Pane:** A tree view showing the data model structure. 'Sales Data' is selected, and its sub-items are listed: 'SalesDataLines', 'Customer', 'Date', 'Part number', 'Quantity', 'Sales order', and 'Total sales'.
- Main Content Area:**
 - Data model:** A section with a 'Root reference (selected)' dropdown.
 - GENERAL:** Fields for 'Name' (ER Demo Report) and 'Description' (ER Demo Sales Report).
 - Node:** A section with a 'GENERAL' tab and a 'TYPE' dropdown set to 'Natural key'. It includes fields for 'Name' (Sales Data), 'Label (*Recommended to use lab...)', and 'Description'.

What is Electronic Reporting?

- Inbound & outbound data transfer
- Destinations
 - Screen
 - Email
 - Archive
 - File
- Versioning support

What is Electronic Reporting?

- Not limited to internal system data



prod.dynamics.com says

Enter the appropriate Customer Warranty Period below

Item: LC20399A - Monitor, 24" LED, 20 pcs

Warranty term

6 months full, 18 months backli

OK Cancel

Edit Delete Order Product

Target Users?

Target Users - Considerations

- Business users, NOT developers

Target Users - Considerations

- Live data
- Complicated configurations
- Excel-style formulas
- Need access to a non-prod environment

Target Users

Finance and Operations | Electronic reporting

← Save Show details Group view Test Translate Options

Formula designer

DATA SOURCE

+ Add data source Search ↓ Go to @

- ▶ \$CompanyInfo
- ▶ \$WHSLoadLine
- ▶ Enums
- ▶ ReportRDLDDataContract
- ▶ Tables
- ▶ WHSLoadTable

@ = \$WHSLoadLine

FORMULA

Instruction: Ctrl+space to trigger code suggestion without typing characters; press F1 to trigger built-in editor console.

```
IF(@.'$CustTable'.ExpressBillOfLading = Enums.NoYes.Yes, true, false)
```

Target Users

- Business users
 - D365 Power users
 - MOS - Microsoft Office Specialists
 - ERP Support team
- Above-average technical capabilities

Components of Electronic Reports

Components of Electronic Reports

- Destinations & sources
- Configuration providers
- Configurations
- Repositories
 - RCS: deprecating 8/1/24

Configuration Providers

- Author of the ER configuration
 - Microsoft
 - Local/internal
 - 3rd party

Configurations

Data Format



Data Model



Model Mapping



Configuration – Data Format



- Define the output
- Contains template

Configuration – Data Model

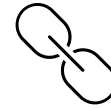


- Data backbone
- Domain-specific business entities
- Data items

Configuration – Model Mapping



Data sources



Data Model

- Data flow & rules
- Transformations

Configurations – Model Mapping

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Globalization Studio Workspace

Globalization Studio

- No-code/low-code globalization tools
- Out-of-the-box multi-country localization content

Globalization Studio

- Regulatory Configuration Service (RCS)
- Electronic Reporting
- Configurable Business Documents
- Tax Calculation
- Electronic Invoicing

Globalization Studio

Extended by partners

Partner localization solutions

Updated per legislation changes

Monitoring legislation changes and providing regulatory updates

Out-of-the-box multi-country localizations

Tax determination and calculation

- VAT
- Withholding tax
- GST
- Sales tax/Use tax
- Reverse charge

Invoicing

- E-invoicing
- Real time reporting
- Invoicing process
- Prepayments and advance invoices

Tax audit and reporting

- Tax declarations
- Tax audit
- EU sales list
- Statistical reports
- Other regulatory reports

Banking/ Payments

- Payment formats
- Bank reconciliation
- Bank reports
- Bank account number validation

Other localizations

- Fixed Assets
- General Ledger accounting
- Supply Chain Management
- Commerce

Business documents

- Invoices
- Orders
- Quotations
- Payments
- Other documents

Tax Calculation

Electronic Invoicing

Electronic Reporting

Configurable Business Documents

Regulatory Configuration Service (RCS)

No-code/low-code globalization tools and services

Business Document Management

Business Document Management

- Maintain templates without ER
 - Adjust layouts
 - Add placeholders or notices
- May still require configuration in ER

Business Document Management

- Only available for cloud deployments
- Requires Microsoft Office 2010 or later
 - Office 365 required to edit in-browser

Demo

Practical Use Cases

- Localization
- Reports updated on a periodic basis
- Business-specific document variations
- Ad hoc reporting

Key Take-aways

- ER can meet a variety of data-output needs
 - Grant access strategically
- BDM empowers business users to update docs
- Globalization Studio Workspace simplifies regulatory compliance

Suggested Resources

- Microsoft Learn
 - [Electronic Reporting \(ER\) overview](#)
 - [Electronic Reporting components](#)
 - [Business Document Management overview](#)
 - [Globalization Studio overview](#)
- www.loganconsulting.com

Thank you!

Daniel Burkeen

Logan Consulting, dburkeen@loganconsulting.com