

Royal Canadian Mint

BPCS to Dynamics AX Integration Review

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Scope of Engagement

Title: Audit the interactions related to the precious metal refining process between Dynamics AX 4.0 and the AS400 systems.

Date(s): August 20th 2009

Resources: Michael Posl: Premier Field Engineer – Dedicated

Cody Marshall: Senior Support Engineer

Scope: The Royal Canadian Mint has asked the Microsoft Premier Services team to independently audit the interactions related to the precious metal refining process between Dynamics AX 4.0 and the AS400 systems.

The scope will include an audit of the:

- Integration (as it relates to Dynamics AX)
 - Security (Michael Posl)
 - Possibilities for users to manipulate data
 - Systems involved
 - Data Flows (Cody Marshall)
 - Mapping a diagram the dataflow from the AS400 to Dynamics AX
 - Tables involved

Deliverable: Findings will be delivered to the Royal Canadian Mint via an Audit Report upon completion.

Estimate of Hours:

Resource	Hour Category	Total
Michael Posl	Dynamics DSE	16 - (8 onsite, 8 remote)
Cody Marshall	Support Assistance	16 - (8 onsite, 8 remote)

Contributors

Microsoft

Michael Posl – Premier Field Engineer

Cody Marshall – Senior Support Engineer

Royal Canadian Mint

Greg Smith – Chief Information Officer

Doug Nitchke – Director of Enterprise Applications

Dan Blanchette – Director of Enterprise Infrastructure

Yusuf Arsen – Project Manager

Brent Welsh – Systems Analyst

Eric David – Systems Engineer

Conclusion

The Royal Canadian Mint commissioned the Microsoft Premier Services Team to review the integration between BPCS and Dynamics AX to assist in finding evidence of the unreconciled difference of the physical precious metal (gold) as of October, 2008.

The scope of this included reviewing the following three scenarios where BPCS interacts with Dynamics AX:

- 1) **Successful Scenario:** Process generates and posts a Journal which results in an Inventory impact in Dynamics AX.
- 2) **Failed Scenario:** Process does not generate or post a Journal in Dynamics AX which has no inventory impact.
- 3) **Not Posted Scenario:** Process generates, but does not post a Journal which needs to be manually posted by a user at a later time.

After the analysis of the traces captured for each scenario, no evidence was found of an unexpected inventory impact caused by this integration. Inventory journals are being passed to Dynamics AX and the THLDT field is being updated to reflect the status of the transaction.

This leads us to conclude the BPCS to Dynamics AX integration is working as designed and the integration scenarios reviewed in this engagement did not lead to the unreconciled difference of the physical precious metal (gold) as of October, 2008.