

Performance Optimization and Model Maintenance

Customer Empowerment Webinar #2
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Prophix User Conference

May 7-10, 2017

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Agenda

- Maintain a well oiled machine
- Improve Prophix's and YOUR performance
- Proactively avoid common pitfalls
- Stay organized

Workflow

- Keep track of business processes (including admin steps)
- Send automatic reminders
- Review status
- Create a workflow for monthly/quarterly/annual updates necessary


Demonstration



Polling Question # 1



Review Accounts

- Keep number of accounts to a minimum (<2,000)
-  Analyze will pin point potential areas of concern
- Alternate ways to model issue identified by analyze:
 - Leaf – use procedural instead
 - MDX – use template calculations
 - Lag/Lead/LagReset – use template calculations

Analyzing the Account Dimension

The screenshot displays the Prophix software interface. The ribbon at the top includes tabs for File, Home, Navigate, and Help. The 'Analyze' button, represented by a lightning bolt icon, is highlighted with a red box. Below the ribbon, the 'Analysis result' dialog box is open, showing a table of results. The table has two columns: 'Name' and 'Detail'. The 'Custom MDX Formulas' row is highlighted in yellow and has a warning icon. A red arrow points from this row to a second 'Analysis result' dialog box that is open, showing the details for the 'Custom MDX Formulas' row. The details text reads: 'This model includes the following formulas that are defined using custom MDX: (002) Price (MDX calc), (003) Gross Revenue Ranking, (004) Percent of Total Sales'.

Name	Detail:
✓ Default member	A default member is defined.
✓ Named Sets	NamedSets were successfully validated.
✓ Cube Script	All script entries are valid.
✓ Duplicate member names	All member names are unique.
✓ Procedural calculation	No problems were found with procedural calculation defin...
✓ Get data from an account in ...	This model does not contain any calculations that get dat...
⚠ Formula - Applied to leaf mem...	This model includes the following leaf formula calculation ...
⚠ Custom MDX Formulas	This model includes the following formulas that are define...
✓ Calculation Definitions	All calculation definitions are valid.
✓ Calculation warnings	This model does not contain any additional calculation w...
✓ Performance warnings	If a model contains a large number of fomulas that use c...

Details:

This model includes the following formulas that are defined using custom MDX:
(002) Price (MDX calc)
(003) Gross Revenue Ranking
(004) Percent of Total Sales

Demonstration



Polling Question # 2



Review Versions

- Keep number of versions to a minimum (<30)

Connection: Solution Connection

Cube: AWCG Financial Cube (+3)

Member count: 11

- Avoid using Yearly/Quarterly/Monthly versions
 - If you do, consider consolidating multiple older versions into a single version after they've been used

	2012 (+)	2013 (+)	2014 (+)	2015 (+)	2016 (+)
2012 Forecast v2	84,083				
2013 Forecast v2		92,357			
2014 Forecast v2			87,375		
2015 Forecast v2				88,439	
2016 Forecast v2					87,185
Forecast v2	84,083	92,357	87,375	88,439	87,185

Demonstration



Processes

- Imports:
 - Do not import transactional data
 - Do not import zero values
- Be cautious of total member combinations selected
- SQL vs MDX engine

Demonstration



Templates/Data Views

- Keep size to minimum
- Use unique combinations instead of hiding columns
- Keep number of data views in a single template to a minimum
- Use named sets to make updating easier

Demonstration



Polling Question # 3



Optimize the Prophix Database(s)

- Improve the speed and performance of the Prophix system by:
 - Reducing the size of the Prophix fact table
 - Removing obsolete data records
 - Creating Indexes on the Prophix fact table
- Use the "**Optimize Fact Table**" process within Process Manager

Demonstration



Named Sets

- Can be used in
 - Security Manager
 - Templates
 - Ad hoc data views
 - Processes (imports, infoflex, procedural calculations)
- Using named sets in all of the above makes maintenance easy

Demonstration



Sever Side Recommendations

- Have your IT review the Prophix Installation & Configuration guide

Standalone deployment (all-in-one)

Server role	Specification
Combined Server	<ul style="list-style-type: none">• 2 Quad Core AMD/Intel 3.0 GHz CPUs• 16 GB RAM• 200 GB Available disk space with RAID 5• 1 Gbps Network interface

Two-server deployment

Server role	Specification
<ul style="list-style-type: none">• Application Server• Analysis Services• Integration Services	<ul style="list-style-type: none">• 2 Quad Core AMD/Intel 3.0 GHz CPUs• 16 GB RAM• 72 GB Available disk space• RAID 5• 1 Gbps Network interface
<ul style="list-style-type: none">• SQL Server• Reporting Services• Integration Services*	<ul style="list-style-type: none">• 2 Quad Core AMD/Intel 3.0 GHz CPUs• 8 GB RAM• 100 GB Available disk space• RAID 5• 1 Gbps Network interface

*In multiple-server configurations, Integration Services is recommended for all servers in order to run SSIS backup or data integration jobs.

Summary

- Use workflow and email process to set reminders
- Review account dimension for Lag and Leaf calculations
- Avoid having too many versions; consolidate old ones into one version
- Regularly run the optimize process
- Use named sets whenever possible (template, processes, security manager)

Resources



Getting Started



Specification &



Knowledge Base



Prophix product feedback forum

Thanks for your continued interest in Prophix. Post your ideas and suggestions for the product here.

For customer support, bugs, or detailed questions, please go to <http://support.prophix.com/>

Status Definitions:

awaiting clarification – waiting for response from supporters (accepting votes)
needs more votes – requires more support before being considered (accepting votes)
pending technical review – to be reviewed for technical feasibility (accepting votes)
pending product planning review – to be discussed internally (accepting votes)
under consideration – to be discussed, requires business case (accepting votes)
planned for future – has been flagged as a future implementation item (accepting votes)
on the roadmap – a possible release version has been set (closed to voting)
completed – implemented in a released PROPHIX build (closed to voting)
declined – idea has been declined and will not be implemented (closed to voting)

How can we improve Prophix?

Enter your idea here...

Hot ideas Top New Category Status My feedback



Judy Corleis (My recent in settings) Sign out

72 votes left

Prophix product feedback forum

Post a new idea...

All ideas

My feedback

Ad Hoc Analysis (2)

Auditing (0)

Data Entry (0)

Detailed Planning Manager (0)

Document Explorer (0)

DRI Actions (0)

Financial Controller (0)

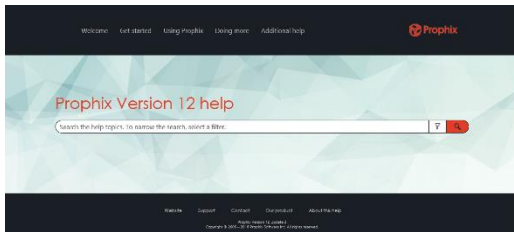
General (0)

Instal. Config. Technical (0)

Model Management (0)

Process Manager (0)

Prophix for Excel (0)



- <http://support.prophix.com>

- <https://feedback.prophix.com>

- <https://www.prophixacademy.com>

- http://documentation.prophix.com/p12help/en/Content/sc_home.htm

Questions?



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