

Empowering Enterprise Planning Solutions with Calculation Manager

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Who We Are

- ▶ Edgewater Ranzal is a full-service Oracle Platinum Consulting Partner with premier services in North America and regional offices in the United Kingdom
- ▶ We deliver Business Analytics solutions that include Oracle Hyperion Enterprise Performance Management (EPM) and Business Intelligence (BI)
- ▶ Our multiproduct focus offers domain expertise and technical leadership
- ▶ We have industry expertise and specializations to help us deliver end-to-end solutions for each client's business needs



Our Services

Business Intelligence

- Scorecards & Dashboards; Mobile Delivery
- Prepackaged Analytic Applications (OBIA)
- BI Foundation (OBIEE / Essbase)
- Financial & Operational Analytics
- Reporting & Publishing
- Visual Exploration
- Information Discovery (Endeca)
- Business Intelligence Cloud Service (BICS)

Financial Close & Consolidations

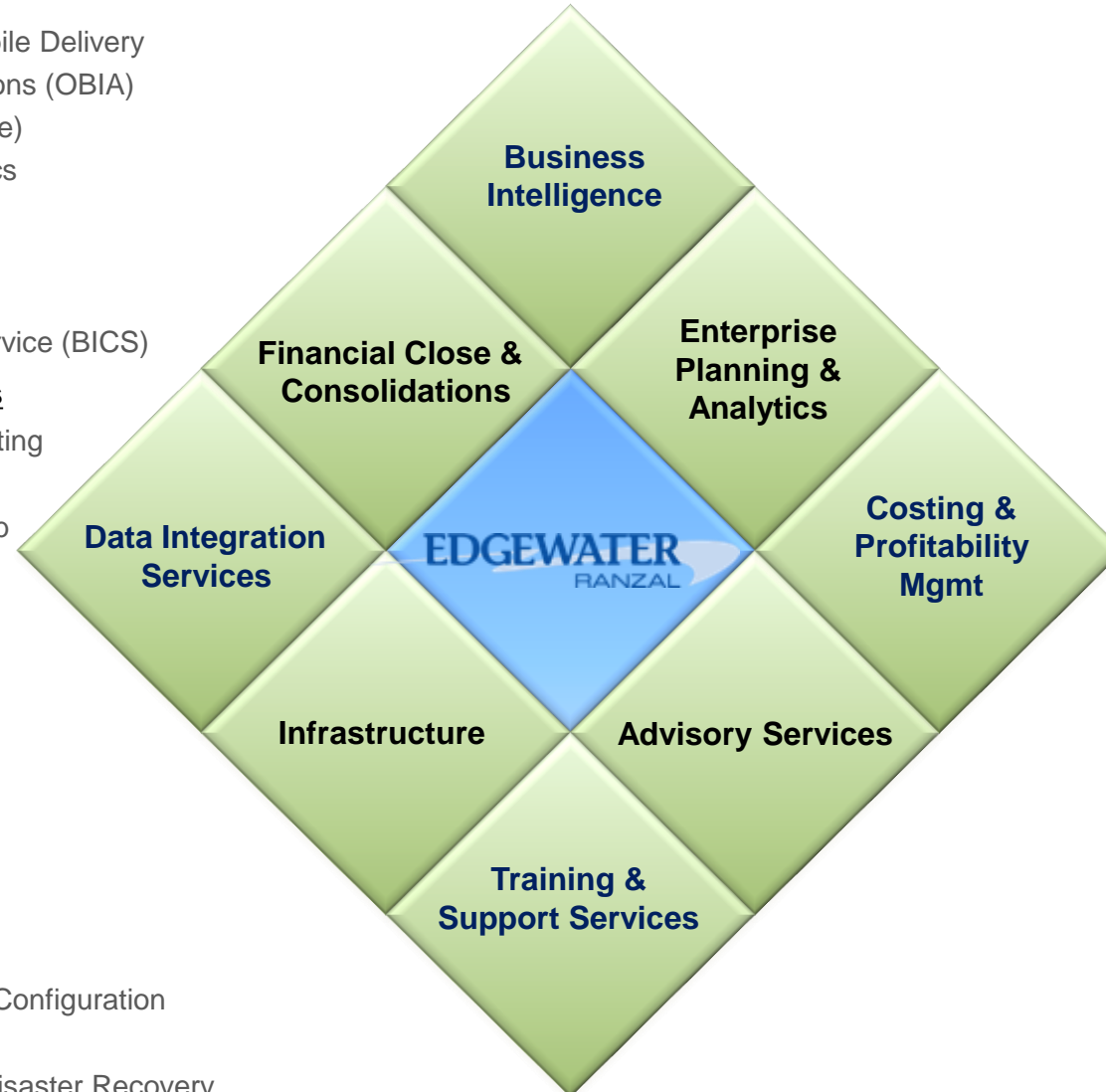
- Legal, Segment, & Mgmt Reporting
- Financial Performance & Close
- Optimization & Performance Lab
- Tax Provisioning
- Regulatory Requirements

Data Integration Services

- ERP Integration
- Financial Data Management
- Data Warehousing
- MDM & DRM
- ETL Services and Automation

Infrastructure

- Hardware Sizing, Installation, & Configuration
- Exalytics Benchmarking
- System Monitoring, Backup, & Disaster Recovery
- Upgrade & Migrations



Enterprise Planning & Analytics

- Strategic Planning (HSF) & Modeling
- Planning, Budgeting & Forecasting
- Workforce, Capital, & Project Financial Planning
- Public Sector Planning
- Cloud Services

Costing & Profitability Management

- HPCM Standard & Detail Models
- Waterfall Allocations
- Shared Service Charges
- Activity Based Costing
- Customer, Product, Segment & LOB Profitability

Advisory Services

- Project/Program Management & Process Change
- EPM & BI Road Maps

Training & Support Services

- Standard & Custom Training
- Virtual Classroom
- Multimedia and UPK
- Service Level Agreements
- Managed Services & Hosting
- Performance Engineering

Calculation Manager – What is it?

- Component of EPMA that lets you create Oracle Hyperion Planning Business Rules in both scripts and graphical mode
- Let's you create Calculation Manager rules for Essbase, Planning, and HFM
- Replaced Hyperion Business rules in the 11.1.2.2 Oracle Hyperion Planning product
- Getting better and faster with each new release

Advantages of Calculation Manager

- Ability to use a centralized suite to create, maintain, and update Calculation objects for Essbase and Planning.
- Ability to share objects between different rules, between different planning applications
- Provides Change Management, Audit Trail, and Smart Searches
- Depending on the set-up of an organizations rules, power users can maintain, and update rules

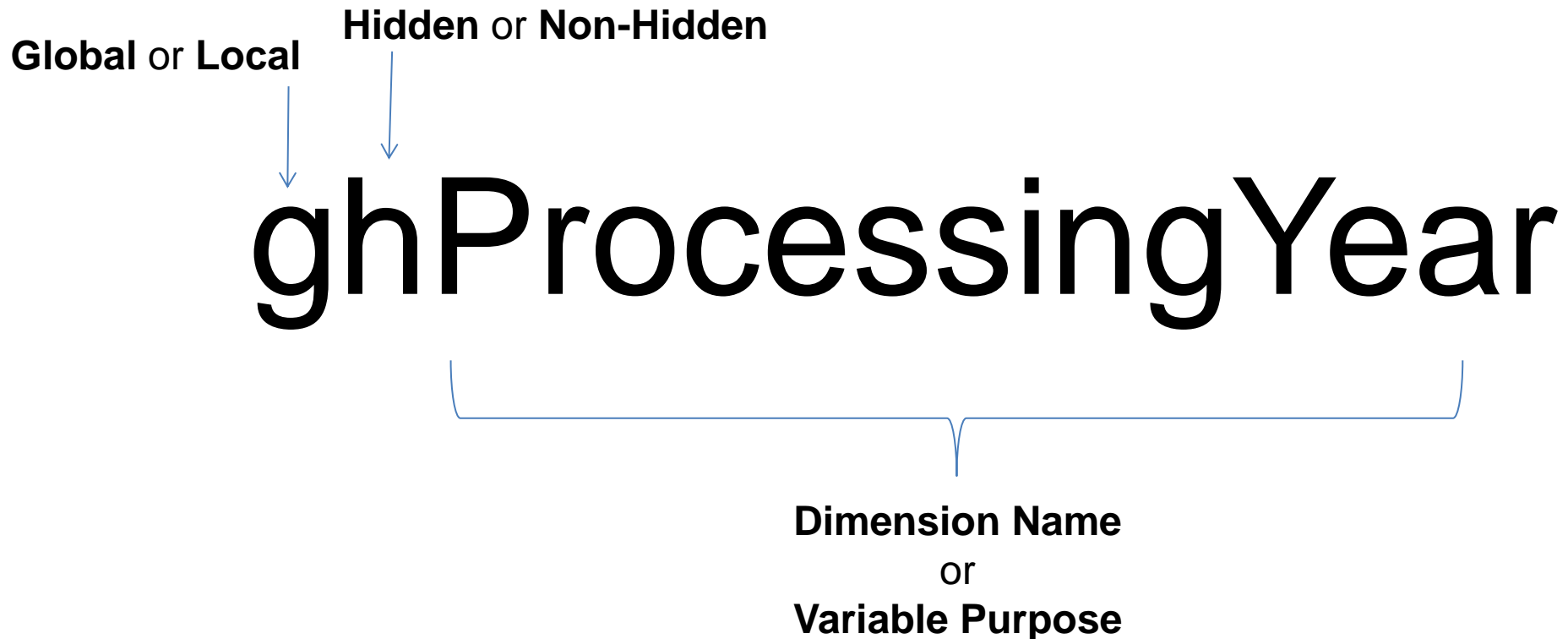
Why the Graphical View

- Helps administer Enterprise Calculation Manager rules in simpler modules of a complex Industry/ Business specific challenge. Ex. A highly driver based Revenue forecast
- Utilizing deployed Vs non-deployed rules for building modularity (smaller portions) of large complex rules
- Applying Standardization
- Utility to Power users

- ▶ Naming Conventions for Calculation Manager objects
 - ▶ Variable Names
 - ▶ Rule Names
 - ▶ Rule sets

- ▶ Concepts
 - ▶ Organizing Rules
 - ▶ Modularity in Rules
 - ▶ Documenting the Rule components
 - ▶ Applying Mass or High-impact changes

- ▶ Variables Naming Convention – Hungarian Naming Convention



Variables

- Using grouping by dimension
- Use descriptions to aid the developer/ maintainer

The screenshot shows a software interface with a 'Replacement' tab selected. Below the tab is a table with the following columns: Name, Description, Type, Default Value, Group, and Owner. The table contains three rows of data:

Name	Description	Type	Default Value	Group	Owner
InProcessingScenario	Local non-hidden member variable for Scenario dim	Member		Scenario	vgaonkar
InProcessingVersion	Local non-hidden member variable for Version dim	Member		Version	vgaonkar
InProcessingYear	Local non-hidden member variable for the Years d	Member		Years	vgaonkar

➤ Types of Variables

➤ Global variables

- A global variable is one that may be used across all applications
- Set up all variables that are run-time prompts on OnSave (Form driven) rules as Global hidden variables
- Set up all variables that are run-time prompts in On-demand (Non-form driven) or Menu (Form driven from a menu) driven rules as Global Non-hidden variable

➤ Local variables

- A local variable is specific to an application or a database. Set up all the local variables at the application level
- Set up all variables that are run-time prompts on OnSave rules as Local hidden variables
- Set up all variables that are run-time prompts on OnDemand or Menu driven rules as Local Non-hidden variables

Calculation Manager Standardization

➤ Review of objects in Calculation Manager that we will look at today

➤ Formula – $A = B + C$;

Formula

Member Com

Formula =

Begin

Fixed Loop

Add TBH_T

End Loop

Start Loop

End Loop

Number of times to run

```
1 LOOP (2)
2 /* Start Template
3 VAR validTBH = 0 ;
4 VAR newBlock = 0.
```

➤ Rule Organization

- Organize your enterprise rules by important forecast cycle processes using Custom Views in Calculation manager. Example – Gross Revenue calculation rules, Expense allocation rules etc.

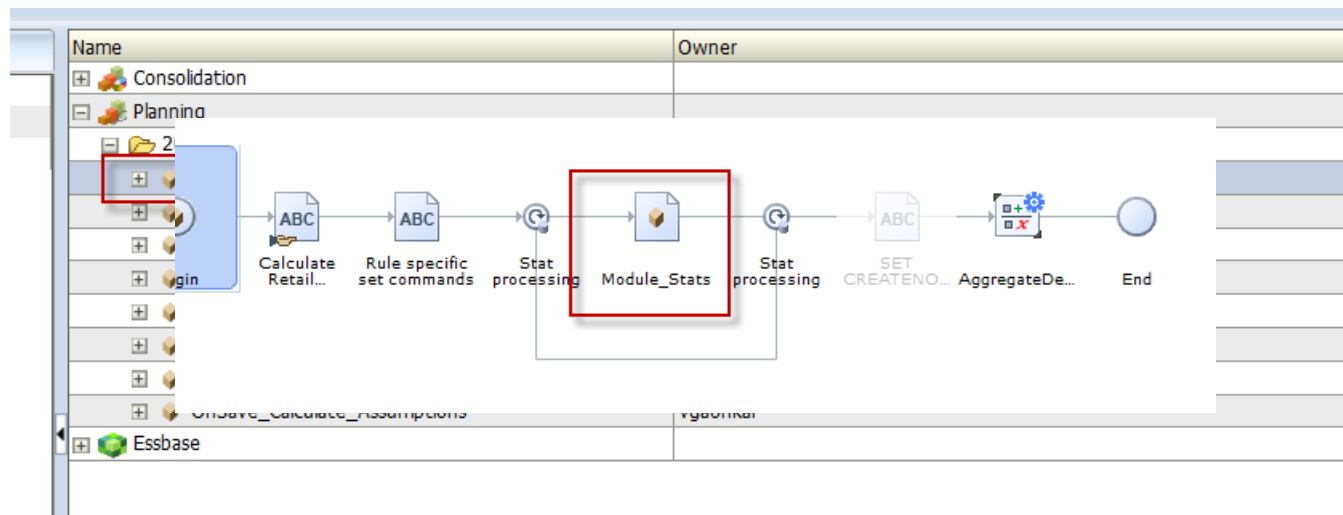
The screenshot shows the 'Calculation Manager' interface with the 'Variable Designer' tab active. On the left, there is a tree view under 'Existing Objects' with folders for 'Consolidation', 'Planning', and 'Essbase'. The main area displays a table of objects with columns for 'Name' and 'Owner'.

Name	Owner
Consolidation	
Planning	
2015TECHDAY	vgaonkar
Module_Stats	vgaonkar
Menu_OtherStats_Drivers	vgaonkar
OnSave_Derive_Assumptions	vgaonkar
OnDemand_Calculate_Distribution	vgaonkar
OnDemand_Calculate_OtherDistribution	vgaonkar
OnSave_Calculate_ActivationMix	vgaonkar
Menu_Stats_Drivers	vgaonkar
OnSave_Calculate_Assumptions	vgaonkar
Essbase	

➤ Rule Naming Convention

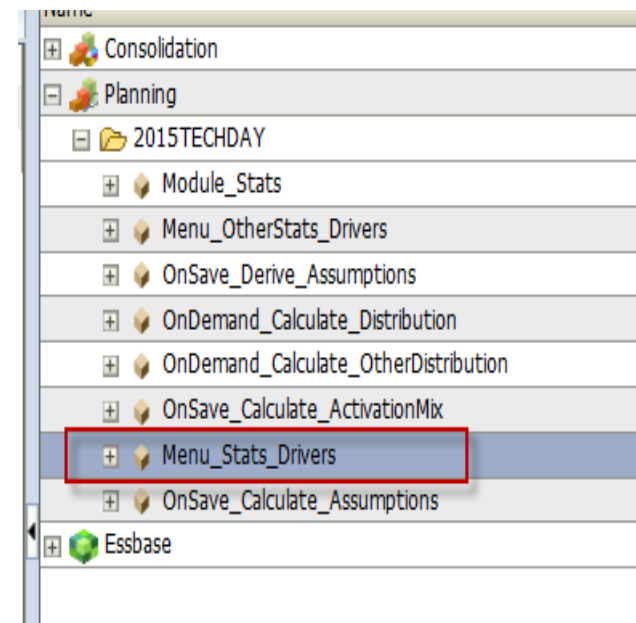
➤ Module Rules – **prefix Module**

A broken-out portion of a large, complex rule. The code is broken up into modules for the sake of reusability, ease of development, and ease of reading/understanding.



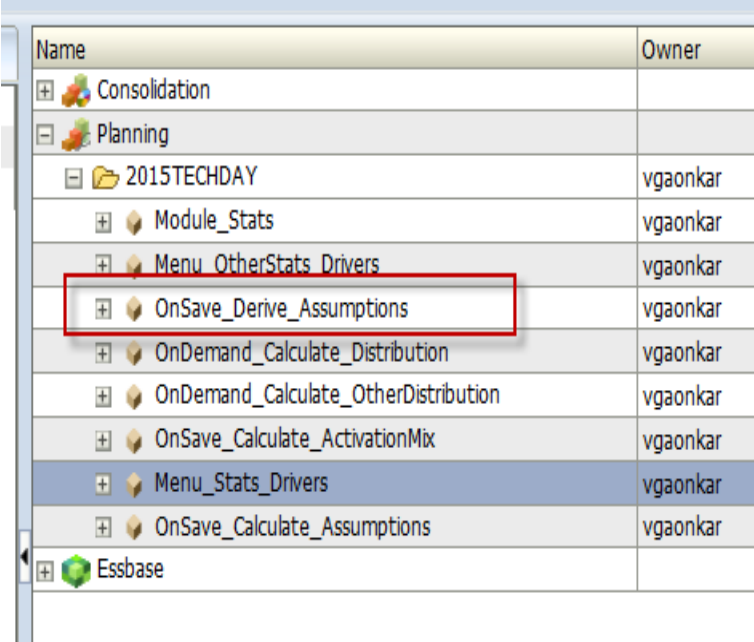
- ▶ Rule Naming Convention
 - ▶ Menu Rule – **prefix Menu**

Rules that are invoked from a menu item on a planning web form (data form). Mostly the rules are run-time prompt driven rules where the population of the run time prompt is required



- Rule Naming Convention
 - On-Save Rule – **prefix OnSave**

Rules that run from a web form (data form) when the form is saved. Mostly the rules run deriving their run time prompts (hidden run-time prompts), if any, from the form



Name	Owner
Consolidation	
Planning	
2015TECHDAY	vgaonkar
Module_Stats	vgaonkar
Menu_OtherStats_Drivers	vgaonkar
OnSave_Derive_Assumptions	vgaonkar
OnDemand_Calculate_Distribution	vgaonkar
OnDemand_Calculate_OtherDistribution	vgaonkar
OnSave_Calculate_ActivationMix	vgaonkar
Menu_Stats_Drivers	vgaonkar
OnSave_Calculate_Assumptions	vgaonkar
Essbase	

Calculation Manager Standardization

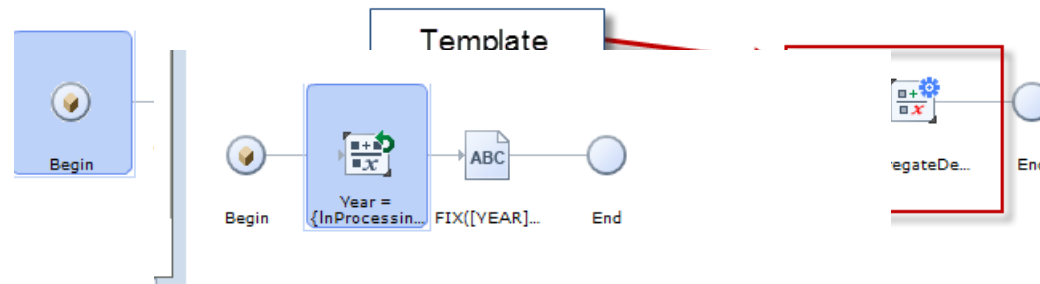
- Rule Naming Convention
 - On-Demand Rule – **prefix OnDemand**

Rules that can be run from the business rules panel on a data form layout or from Tools>Business Rules. Mostly need the run-time prompts to be populated

Name	Owner
Consolidation	
Planning	
2015TECHDAY	vgaonkar
Module_Stats	vgaonkar
Menu_OtherStats_Drivers	vgaonkar
OnSave_Derive_Assumptions	vgaonkar
OnDemand_Calculate_Distribution	vgaonkar
OnDemand_Calculate_OtherDistribution	vgaonkar
OnSave_Calculate_ActivationMix	vgaonkar
Menu_Stats_Drivers	vgaonkar
OnSave_Calculate_Assumptions	vgaonkar
Essbase	

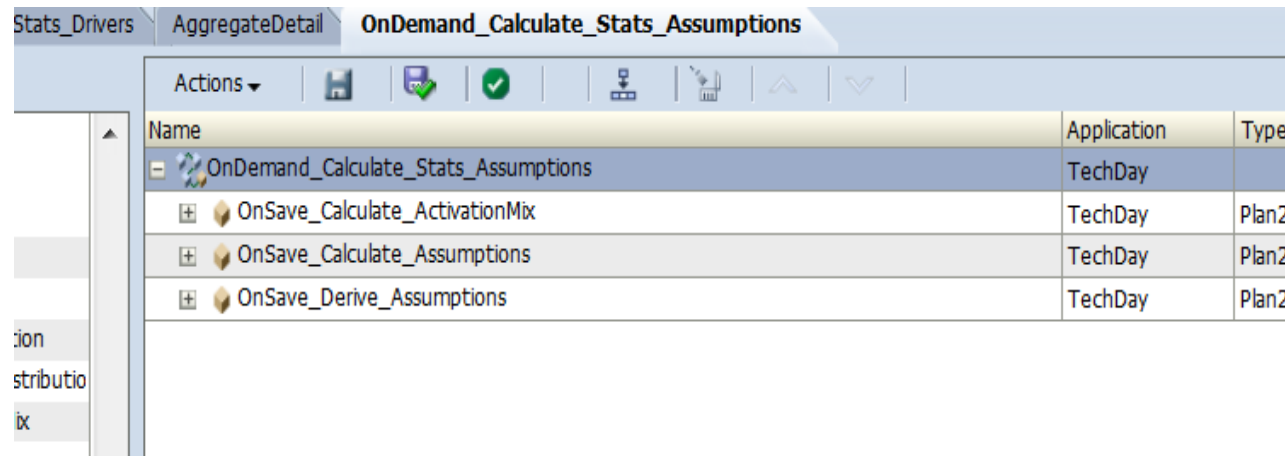
- Other Important Rule Objects
 - Templates

A specific set of code that is utilized across rules. You can pass variables to the template using design time prompts. Compare to subroutines in programming



- Other Important Rule Objects
 - Rule Sets

Collection of rules that are run in sequence. Important to note that non-deployable rules cannot be included as a constituent rule in the rule set



Name	Application	Type
OnDemand_Calculate_Stats_Assumptions	TechDay	
OnSave_Calculate_ActivationMix	TechDay	Plan2
OnSave_Calculate_Assumptions	TechDay	Plan2
OnSave_Derive_Assumptions	TechDay	Plan2

Demo



› Tips

- › If you have too many rules, organize them
- › If you have a big complex rule, break it up
- › Use captioning for rule objects to keep track of the flowchart of the rule
- › Use commentary to track changes
- › Create templates if the same code is utilized across many rules
- › Use filter views to get to a set of rules

- What's new in 11.1.2.4
 - Analyze Script – ability to analyze any script, not just graphical rule. A line by line analysis. Statistics reported include Execution time, Block count, number of passes, number of potential blocks, number of counted blocks, and Fix Scope
 - Script Editor Enhancements
 - Filter on System View
 - Customization of Views – System, Deployment, Custom, and Filter
 - Filter on rules by dates



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