Top 20 Developments in IBM TM1 in Recent Years

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Disclaimer

The list below is in no particular order

Different models have different functional and non functional requirements
Therefore, how useful one piece of functionality is may vary from implementation to the next
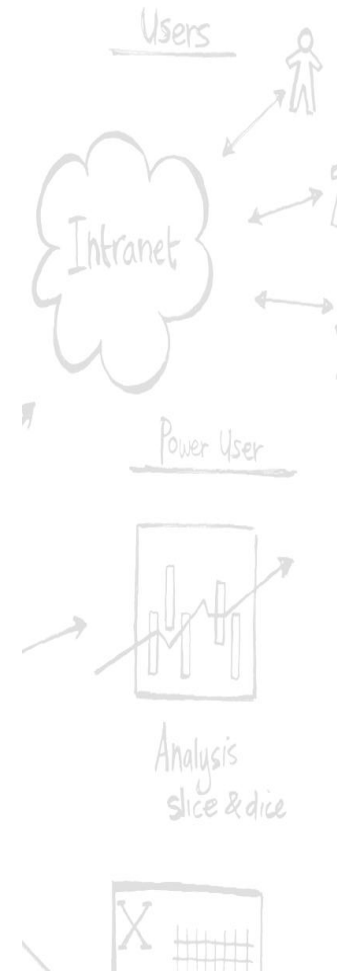
Debate is Welcome!

❑ Reduce Nested IFs

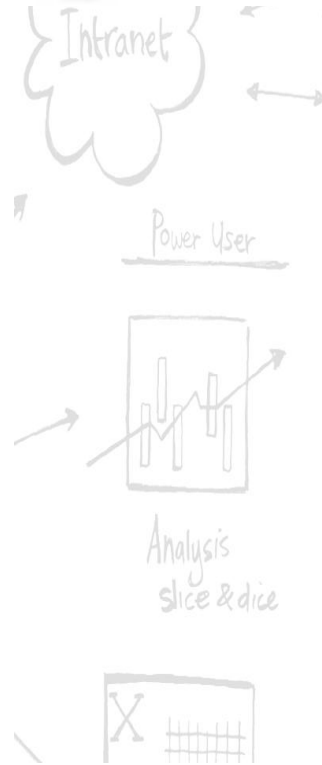❑ Neater Rules File

❑ Easier to Follow

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2. 64 bit

A Game Changer

No Longer Limited to 4GB Servers

Scope of Applications Increase -> Calculate profitability over millions of customers from a single cube

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3. TM1 Web

❑ Revolutionised how planning applications can be delivered

❑ What makes it great
  ❑ Excel Workbook conversions
  ❑ Contextual Login
  ❑ Performance enhancements

4. Action Buttons

❑ Add Important Functionality to an Application
   ❑ TI to load data / add new elements in a controlled way
   ❑ Navigate to other applications
   ❑ Rebuild active Forms

❑ VBAye?
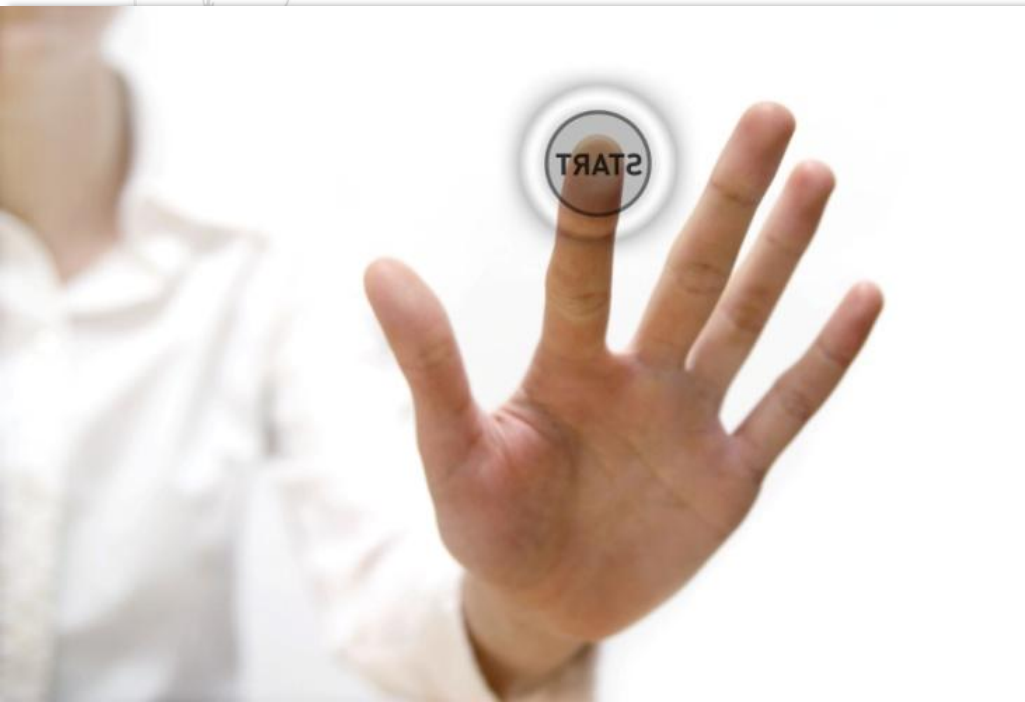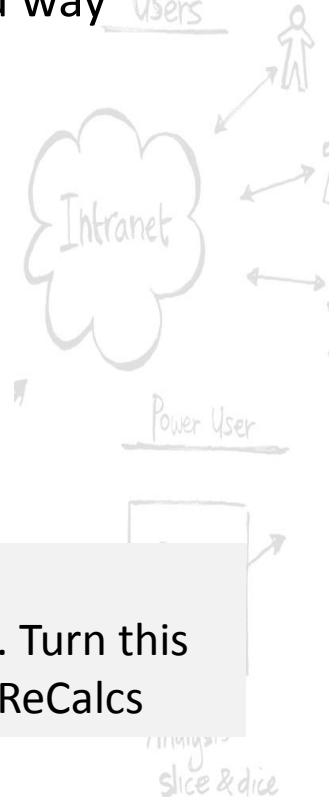
Handy Tip:
Calculate is on by default. Turn this off to avoid unnecessary ReCalcs

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5. Active Forms

	Jan-2004	Feb-2004	Mar-2004	Apr-2004	May-2004	Jun-2004	Jul-2004	Aug-2004	Sep-2004	Oct-2004	Nov-2004	Dec-2004
+ Revenue	15971657.58	17401780.87	17251960.27	17452735.56	17199272.1	17314004.48	17610427.7	17474084.26	17590512.98	17386058.57	17352991.59	17312033.23
+ COS	139278.26	141845.62	141678.74	141238.9	157427.83	147874.48	144617.51	146792.6	149062.24	150745.6	136633.93	153008.12
+ Operating Expense	4989814.415	5147957.631	5249754.649	4962951.69	5134188.799	5239815.645	5083964.61	5121189.442	5197066.682	4894921.275	5132992.568	5192138.138
+ Net Operating Income	10842564.91	12111977.62	11860526.88	12348544.97	11907655.47	11926314.36	12381845.58	12206102.22	12244384.06	12340391.69	12083365.09	11966886.97

plan_business_unit	Total Business Unit
plan_department	Total Organization
plan_exchange_rates	local
plan_report	budget

TM1RptRow(ReportView, Dimension, Subset, SubsetElements, Alias, ExpandAbove, MDXStatement, Indentations, ConsolidationDrilling)

Handy Tip:
Use the Offset function in Excel to Avoid #Refs when pointing a formula to an active form

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6. Dynamic Subsets

❑ Very useful…. BUT

❑ Constantly re-evaluating so may cause some contention / locks

Handy Tip:
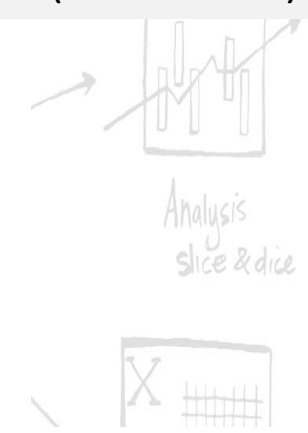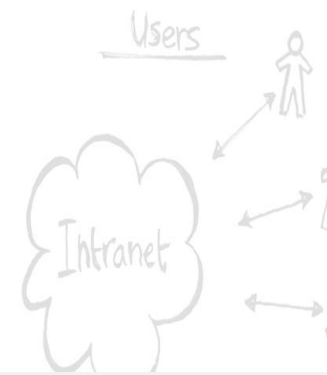Create a to process to generate semi-dynamic subsets (All N Levels)

❑ Still has a place
  ❑ In smaller models or used with care (Read Only)
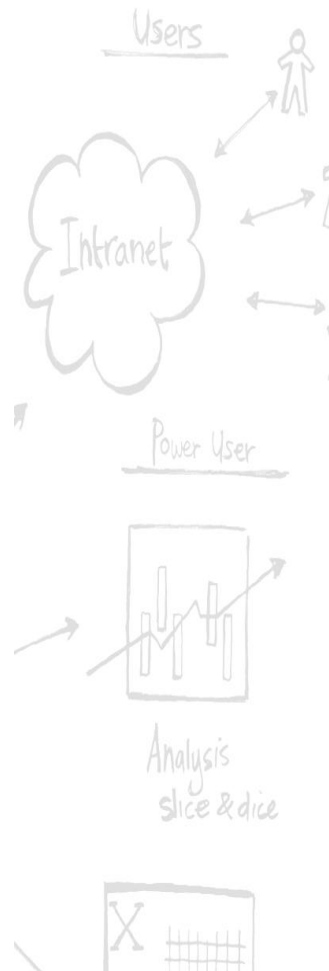 ❑ To generate MDX statements to be used in Active Forms

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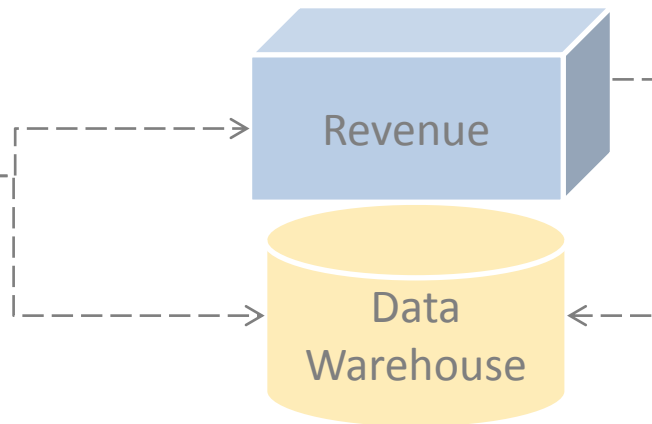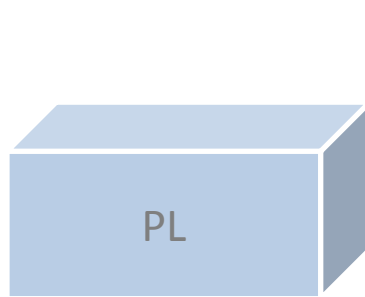# 7. Drill Throughs

❑ Possibly one of the best user facing pieces of functionality available

❑ Smart drill through paths can be created using Drill Assignment Rules

❑ Drill to Sub Models and/or External Data

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8. Pick Lists

❑ Released with 9.5

❑ Offers several benefits

✓ Input validation
✓ Automatically Updated
✓ Reduce reliance on Excel Formula
✓ Can become Sophisticated

Basic	Static - *v1:v2:v3*
	Dimension - *<dim_name>*
	Subset - *<dim_name>:<subset_name>*
Advanced	Pick List Cube
	One input is dependant on another

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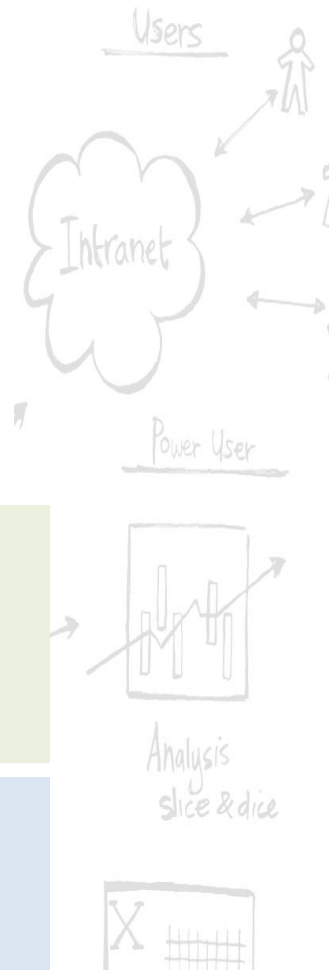
9. Executive Viewer

❑ An IBM TM1 Development?

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Reusable TI Code

View Zero Out

Add New Element

Process "Control" Processes

Copy Dimensions

Dimension Unwind
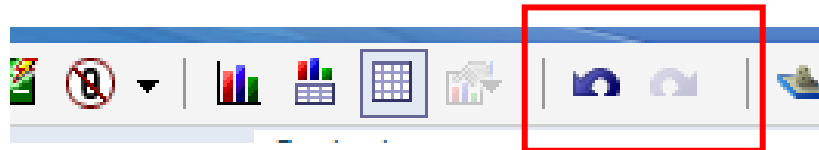
❑ Very useful when creating temporary objects

❑ Often used together with *Reusable TI Code*

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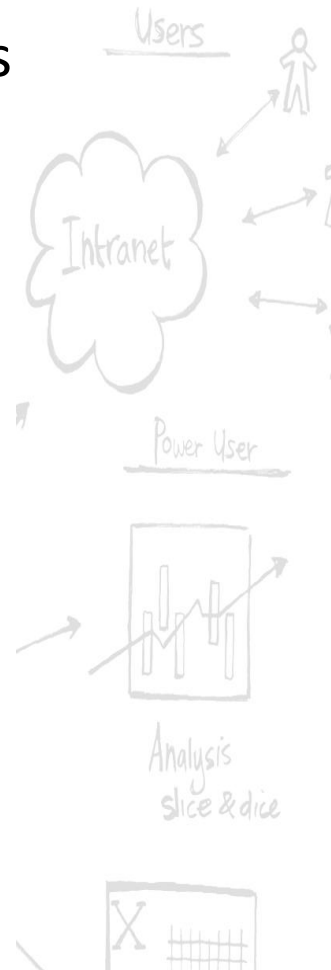
12. Undo

❑ Available Since 9.5.0

❑ Very useful when data spreading

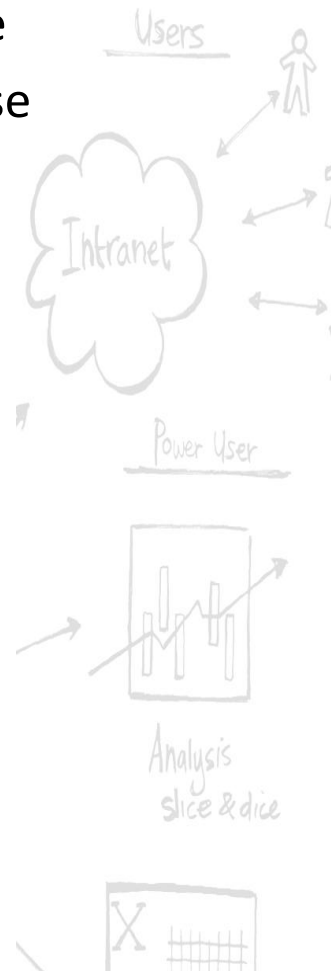❑ Allows limited what if analysis

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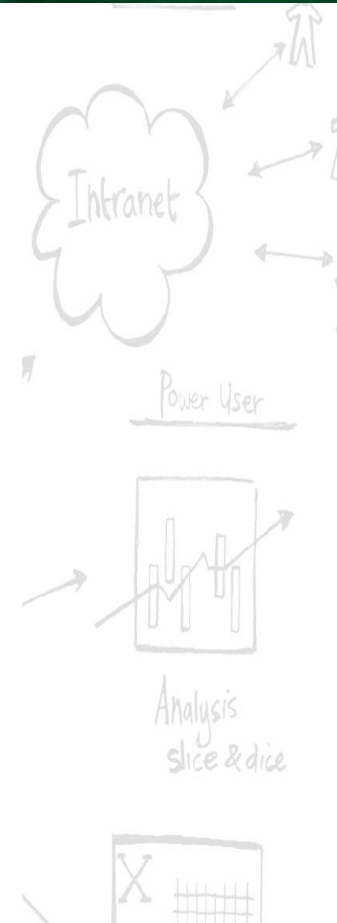
13. Dimension Reordering

❑ Before Re-ordering

    ❑ Think carefully about how data might fill the cube

    ❑ Sml Sparse – Lrge Sparse – Sml Dense – Lrge Dense

    ❑ Live with it or rebuild

❑ With Reordering

    ❑ Logical and constant dimension orders

    ❑ Reorder after loading data
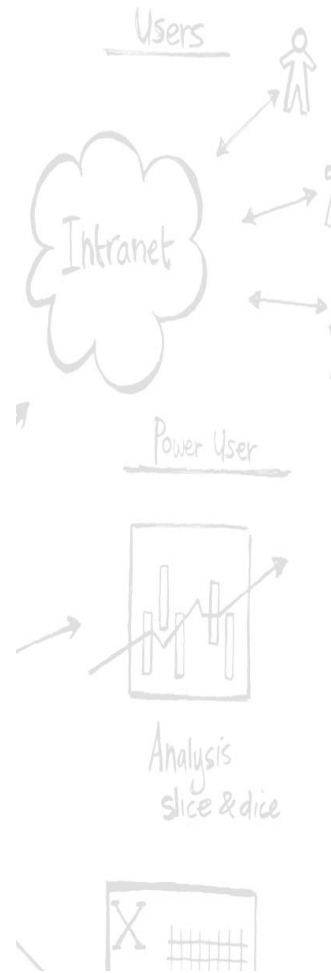
    ❑ Regular maintenance

Percent Change: -83.719504%

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14. IBM TM1 Report Printer

❑ Very powerful way to generate detailed report packs

    ❑ Sales Report per Store
    ❑ Or even products per store?

📋 **Print Report**

❑ How about this one?

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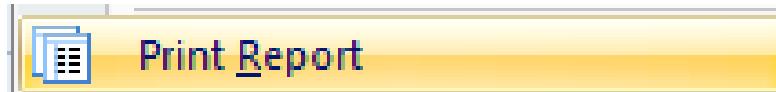
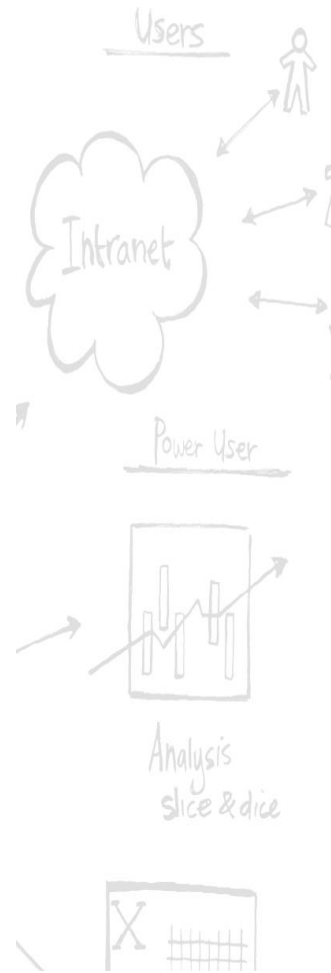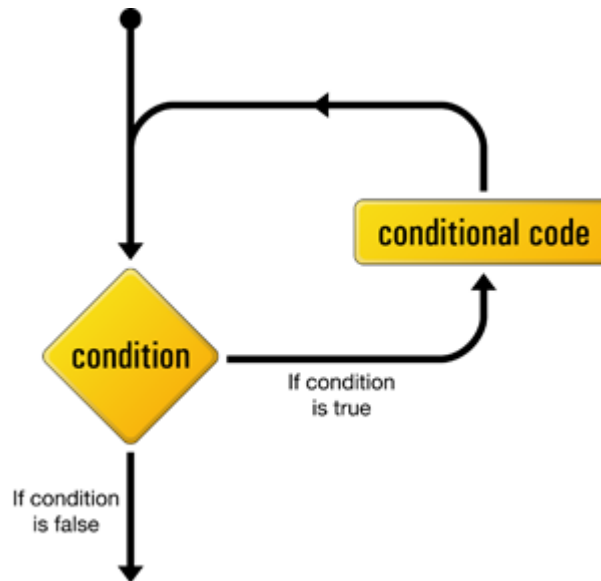❑ **That's great but what can I use it for?**

❑ Workflow submission tracking

❑ Last Updated

❑ Personalised Reporting

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❑ Available Since Version 8

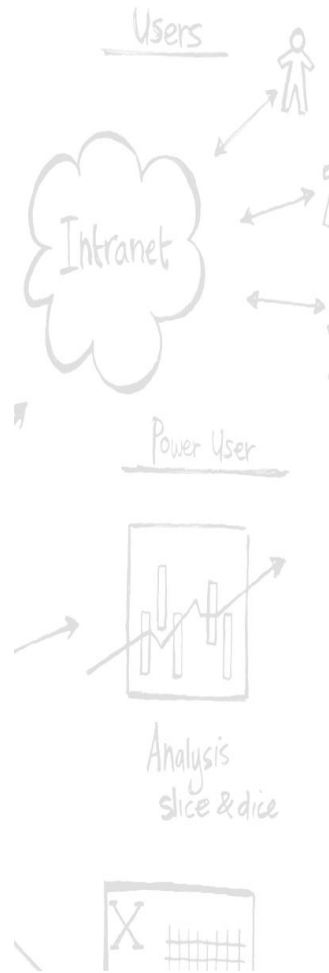❑ Significantly improves the smarts that can be built into a process

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A simplified alternative the C++ or VB APIs

Highly Customised Applications

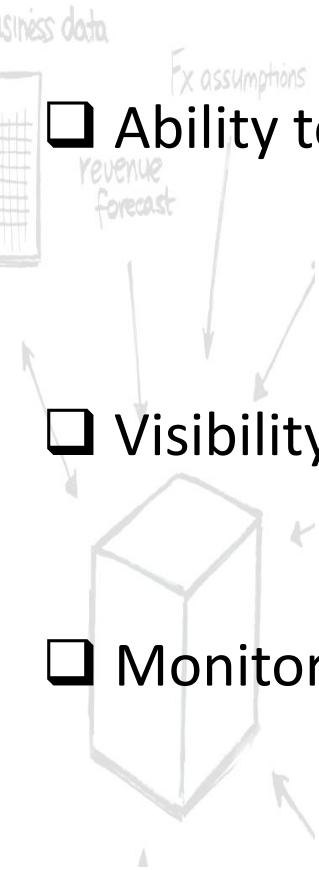Useful for Seamless Integration to Other Products or Systems

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❑ Before TM1 TOP we were flying Blind

❑ Ability to cancel threads

❑ Visibility on "Problem Users"

❑ Monitor System Contention

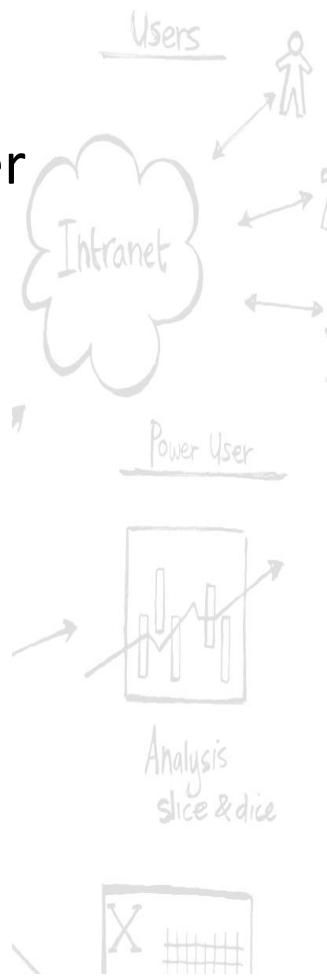# 19. Locking Engine

❑ **Massive Improvements**

Write Causes Lock - Server

Write Causes Lock - Cube

Parallel Interaction

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20. Parallel Interaction

In Summary

1. Continue Rules
2. 64 bit
3. TM1 Web
4. Action Buttons
5. Active Forms
6. Dynamic Subsets
7. Drill Throughs
8. Pick Lists
9. Executive Viewer
10. Execute Process TI Function
11. View Exists / Subset Exists
12. Undo
13. Dimension Reordering
14. IBM TM1 Report Printer
15. TM1User()
16. While Loops in TI
17. The dot Net API
18. TM1 TOP
19. Locking Engine
20. Parallel Interaction

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