IBM z Systems

z Systems
Q2 Software Announcements

System Z Software Announcements Summary

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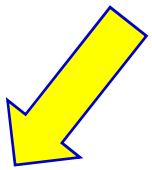
June 2016

Q2 Announcements Agenda

- Operational Decision Manager V8.7.1
- Q Radar V7.2.5
- Workload Scheduler for z/OS V9.3
- IBM Wave V1.2
- IBM Operational Analytics for z Systems
- Data Replication Solutions V11.3
- IDAA Accelerator Only Tables IDAA V4 PTF5
- New DB2 and IMS Tools Releases

Links
- Announcement Letter
- Further Information



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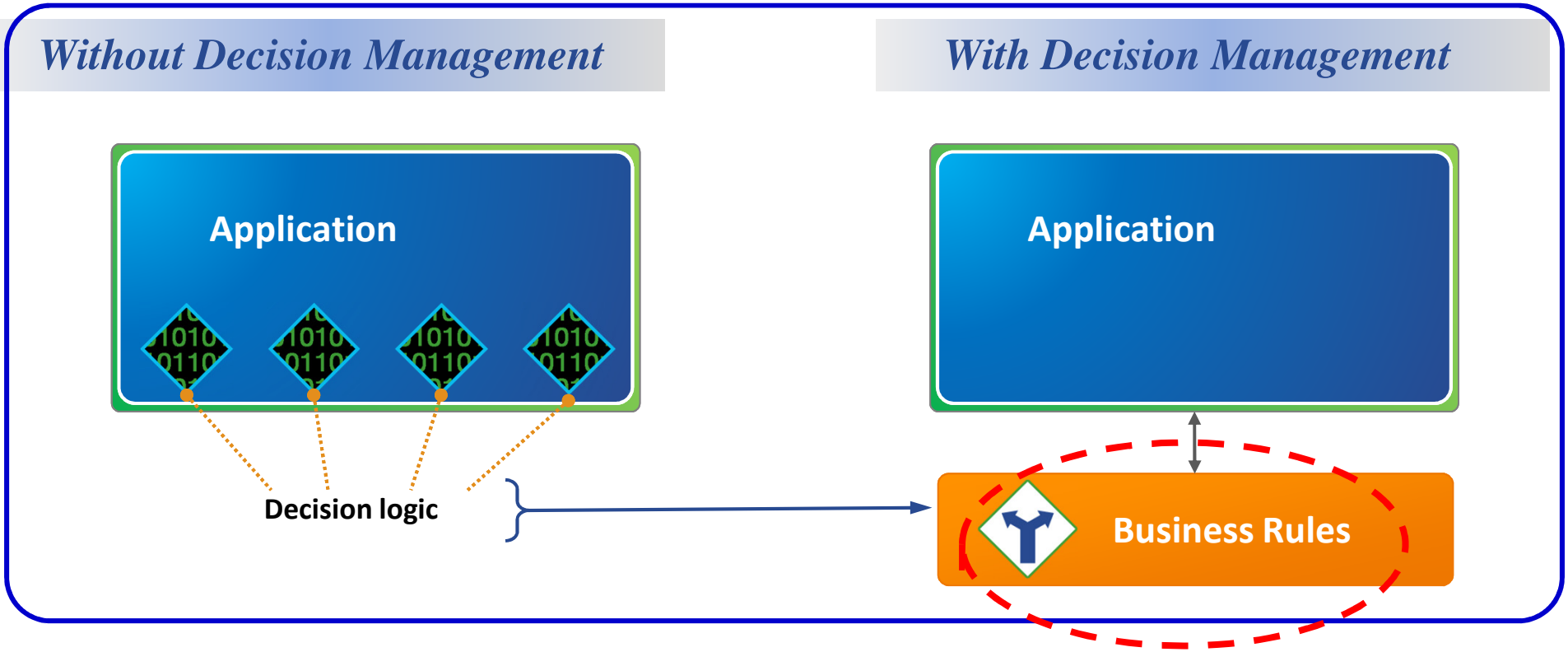
IBM Operational Decision Manager for z/OS V8.7.1



New:

- Rule Execution Servers operate in Liberty Profile of Websphere z/OS.
- Increases Flexibility of Business User Simulations and Administration.

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IBM Security QRadar V7.2.5

Cross Platform Security Intelligence Solution.

IBM Security QRadar **Incident Forensics** Standalone V7.2 .5 (new offering)

- Integrated console with the Incident Forensics module allowing for a more streamlined deployment with IBM Security QRadar Packet Capture Data Node V7.2.5

IBM Security QRadar **Packet Capture Data Node** V7.2. 5 (new offering)

- Extends the storage capacity of your PCAP Appliance without foregoing any of the performance.
- Offers the same market differentiating in-line compression feature available in QRadar Packet Capture, allowing for approximately 10 times improvement in virtual storage on the same hardware.

IBM Security QRadar Packet Capture Software V7.2.5 (new offering)

- Offers the flexibility to deploy packet capture solution on commodity hardware to meet lower end packet capture requirements
- Offers the same market differentiating in-line compression feature available in QRadar Packet Capture appliance, allowing for approximately 10 times improvement in virtual storage on the same hardware

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Workload Scheduler V9.3 for zOS

Predictive capabilities that empower schedulers with control include:

- Accurate prediction of job duration.
- What-if analysis.

define, launch, and monitor, through the Dynamic Workload Console, new types of jobs to perform operations on external applications:

- IBM Sterling Connect:Direct file transfer.
- IBM WebSphere MQ processes.
- RESTful Web Services.
- Salesforce (Inc.) , Oracle E-Business, Peoplesoft and SAP Jobs.

Advanced automation features that can help simplify scheduler's and system administrator's tasks include:

- Workload automation programming language.
- Automatic upgrade to Workload Scheduler for z/OS.
- Dynamic Workload Console customizable dashboards.
- Hot standby controller on a remote system.
- Business impact of scheduling object changes through IBM Business Service Manager integration.

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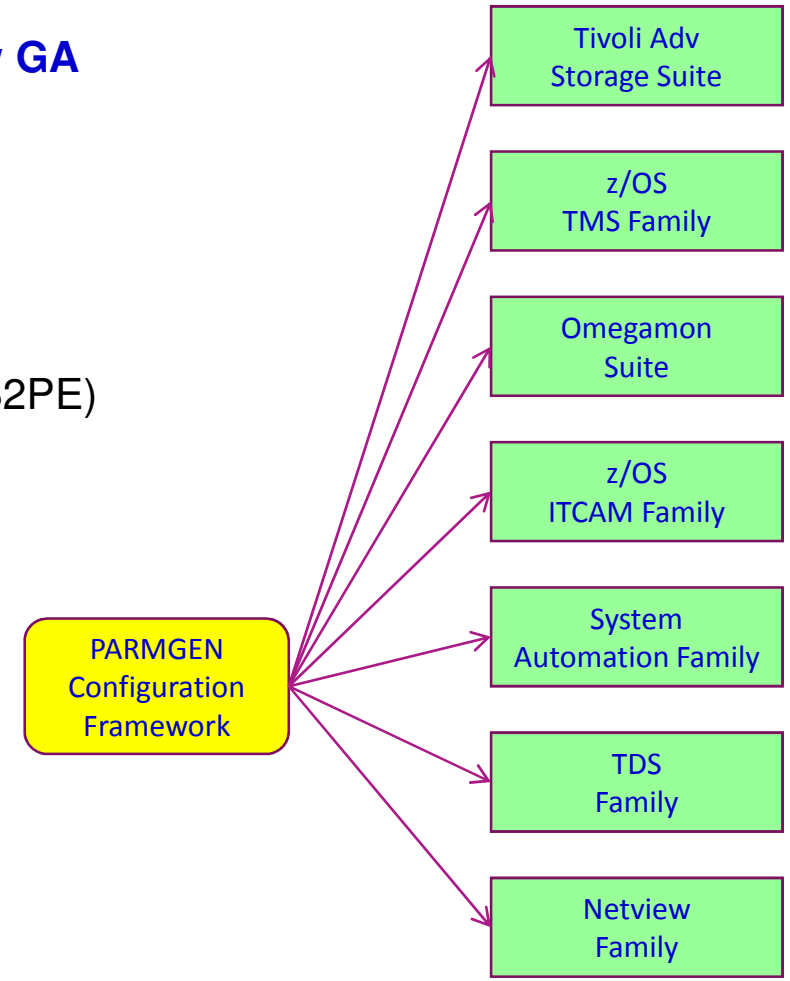
Tivoli Omegamon Monitoring for z/OS

PARMGEN 2Q15 Interim Feature UA76853 is now GA

70 total line items (since 1Q15 IF UA76016).

- Add support for the z/OS 2.2
- Create Runtime members :30%-46% savings
- Add New Spreadsheet Input-Data Generator (DB2PE)
- Add Query Monitor Integration with E3270 UI
- ….. lots lots more



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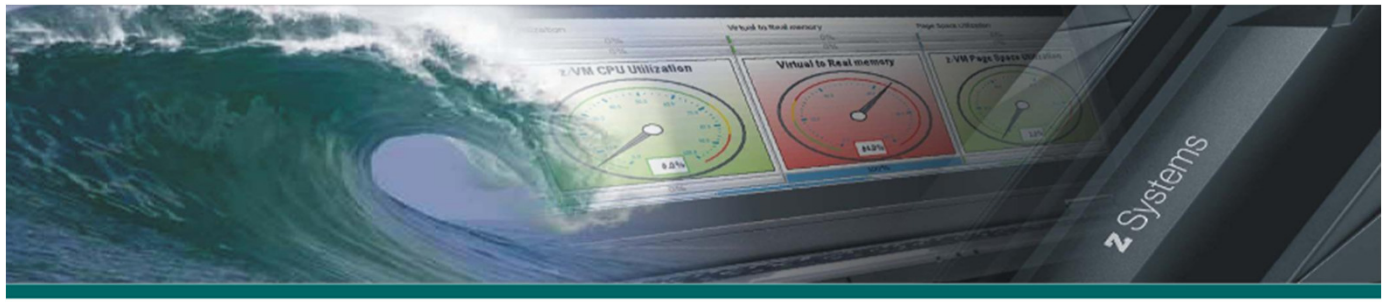
IBM Wave V1.2



Simplified Virtualization Management for Linux on z/VM
IBM Wave for z/VM V1.2

Support for Latest Linux Versions

- Red Hat Enterprise Linux (RHEL) 7
- SUSE Linux Enterprise Server (SLES) 12

Improved integration with existing LDAP environments

Extends the reach of IBM Wave to provision across CPCs

Delivers rich management functionality for provisioning and managing emulated FBA devices (EDEVs) on SCSI LUNs

Enhances security to strengthen both control and audit functions

Offers serviceability enhancements through First Failure Data Capture

Improves performance in configuration auto-detect processing

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IBM Operations Analytics for z Systems, V2.1.0

A z/OS Log Forwarder. (installed on each z/OS LPAR from which logs are to be collected and forwarded to the analytics server).

A SMF real-time data provider. (installed on each z/OS LPAR from which SMF records are to be collected and forwarded to the analytics server).

The IBM Operations Analytics - Log Analysis server.

Insight Packs to manage supported z/OS log types and to provide standard domain knowledge and search capabilities for the logs.

*** **New in V2.1** : enhances domain insights with performance metrics through OMEGAMON integration and SMF-based insights

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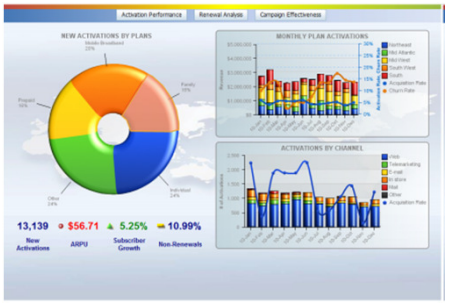
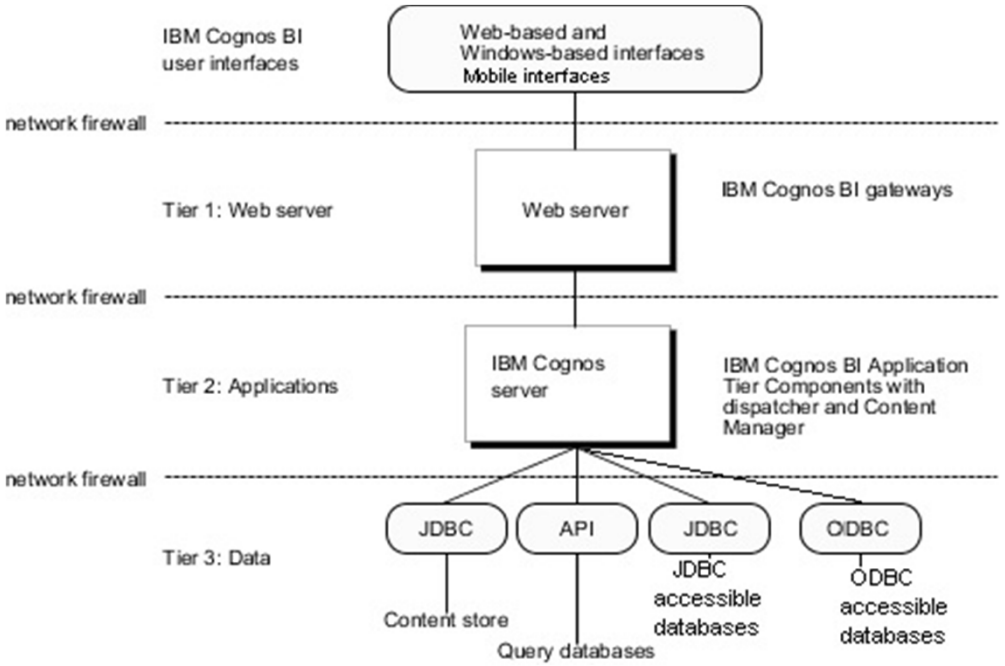
Cognos V10.2.2 for z/OS

Cognos - Business Intelligence





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IBM Cognos Business Intelligence V10.2.2 Custom Pattern for Linux on z Systems

Configurable Pattern-Based Implementation

Patterns for Cognos Development and Runtime Environments

Chef-Compliant deployment

Existing Custom Patterns for Linux on z Systems

- WebSphere Application Server Network Deployment V8.5.5 with Custom Pattern for Linux on z Systems
- WebSphere Application Server Liberty Core V8.5.5 with Custom Pattern for Linux on z Systems
- DB2 Enterprise Server Edition V10.5 with Custom Pattern for Linux on z Systems
- WebSphere MQ V8.0 with Custom Pattern for Linux on z Systems
- Integration Bus V9.0 with Custom Pattern for Linux on z Systems
- Decision Center V8.7 with Custom Pattern for Linux on z Systems
- Decision Server Advanced V8.7 with Custom Pattern for Linux on z Systems
- Process Center Advanced V8.5.5 with Custom Pattern for Linux on z Systems
- Process Server Advanced V8.5.5 with Custom Pattern for Linux on z Systems
- Business Monitor V8.5.5 with Custom Pattern for Linux on z Systems
- WebSphere Portal Server V8.5 with Custom Pattern for Linux on z Systems
- MobileFirst Platform Foundation V6.3 with Custom Pattern for Linux on z Systems

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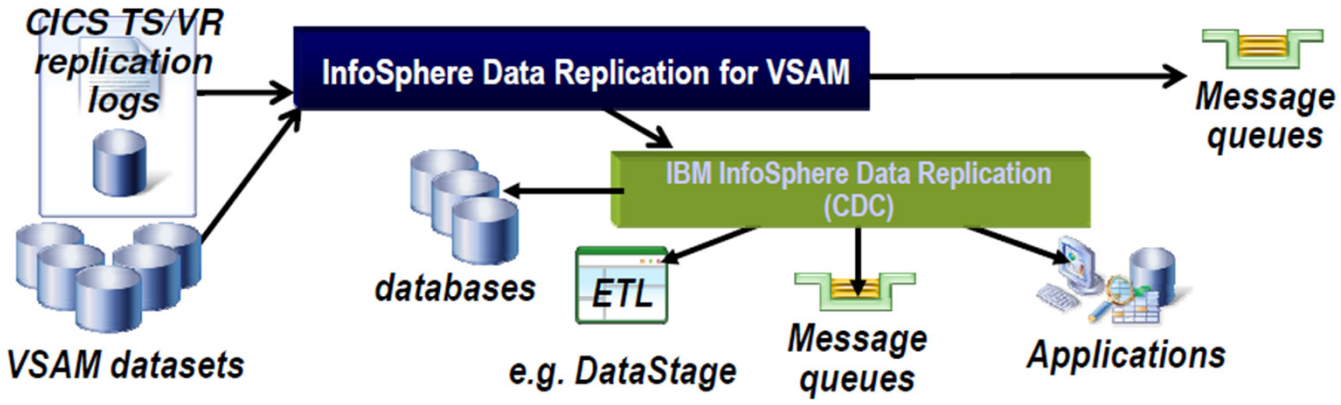
IBM Infosphere Classic CDC for VSAM V11.3



VSAM under CICS TS V5.1 (CICS manages VSAM replication logs)

Native VSAM outside CICS (CICS VR manages VSAM replication logs)

- CICS VSAM Recovery is separately licensed product

Statement of Intent : Publish Changes to MQ locally on z/OS

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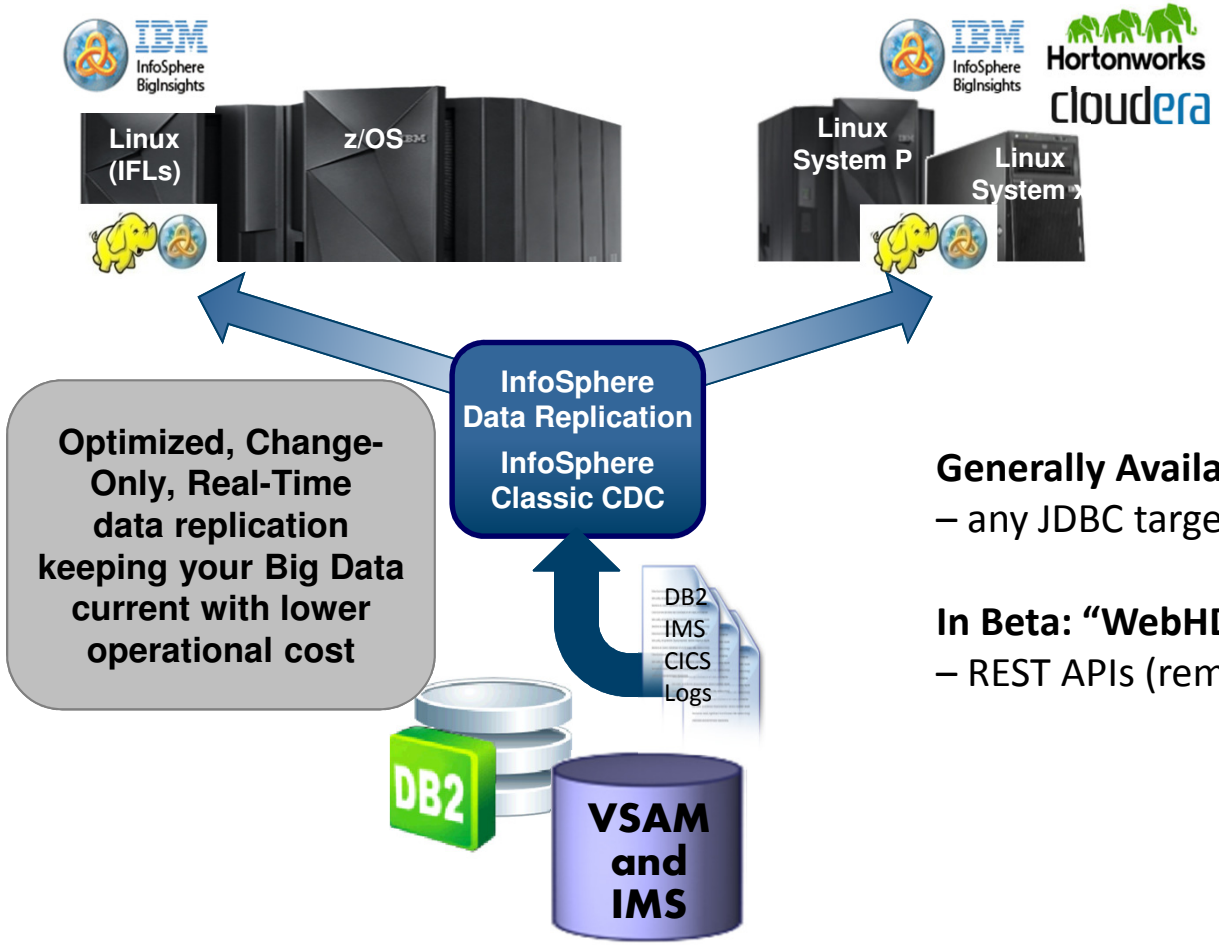
IBM Infosphere Data Replication V11.3.3

Flexrep and Hadoop Targets



Generally Available: "Flexrep"
– any JDBC target

In Beta: "WebHDFS"
– REST APIs (remote from HDFS cluster)

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IBM DB2 Analytics Accelerator PTF5 Enhancements (May 2015)

Incremental Update Improvements

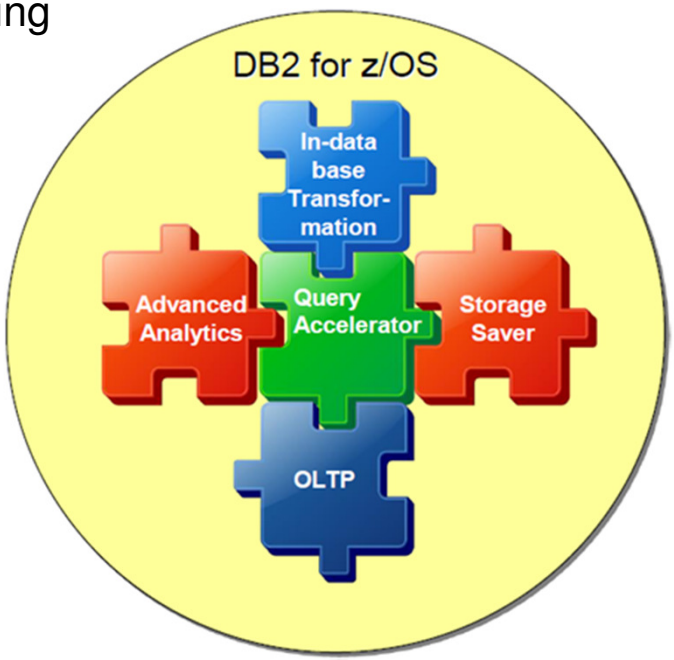
- Suspending faulty tables from replication
- Improved replication performance - Parallel Apply

Accelerator-Only Tables (AOTs)

- Supporting In-Database processing and multi-step processing

Other Enhancements

- Dynamic Statement Cache for Accelerated Queries
- Statement Level Monitoring for Accelerated Queries
- Application-Period Temporal Table Support
- Further Scalar Functions



https://www.ibm.com/developerworks/community/blogs/42acc52f-ec39-4667-867e-9404d4f53bd0/entry/db2_analytics_accelerator_v4_1_ptf_5_now_available?lang=en

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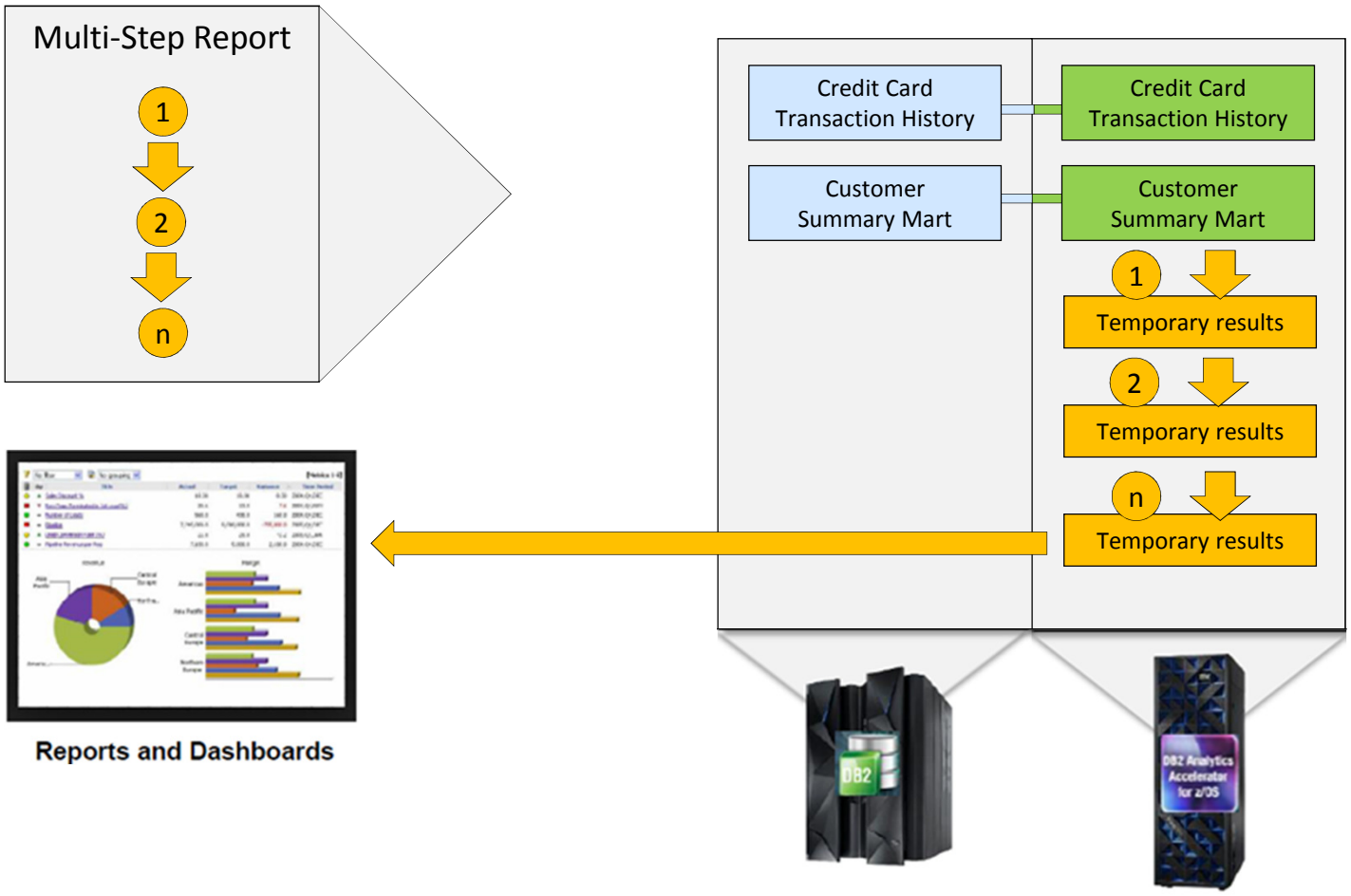
Multi-Step Reporting Applications with DB2 for z/OS

With Accelerator-Only Tables, Temporary Objects are processed on the accelerator.



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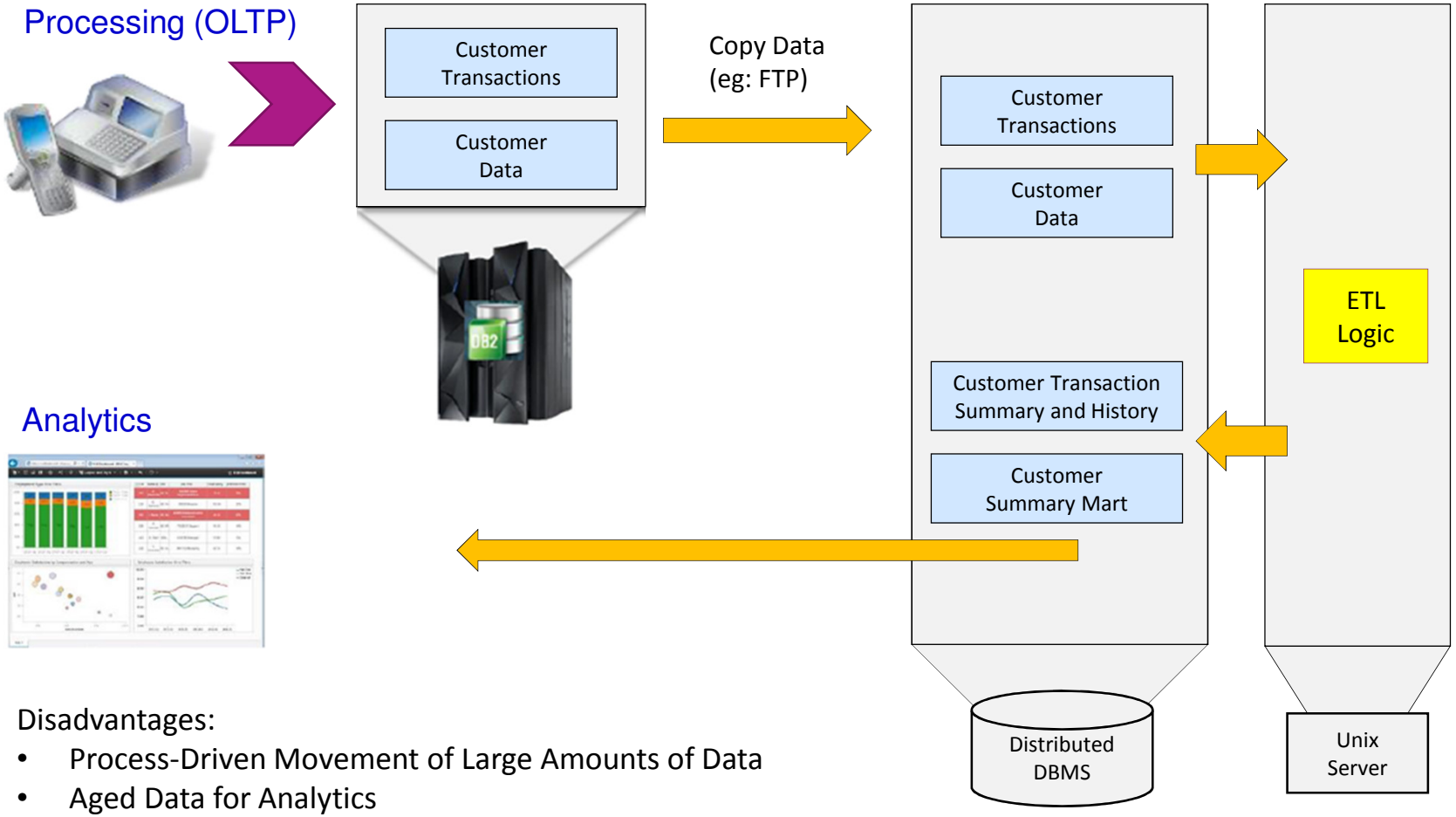
Typical Analytics Data Provisioning Today

Operational Transaction Processing (OLTP)



Disadvantages:

- Process-Driven Movement of Large Amounts of Data
- Aged Data for Analytics
- Data Governance Compliance & Cost

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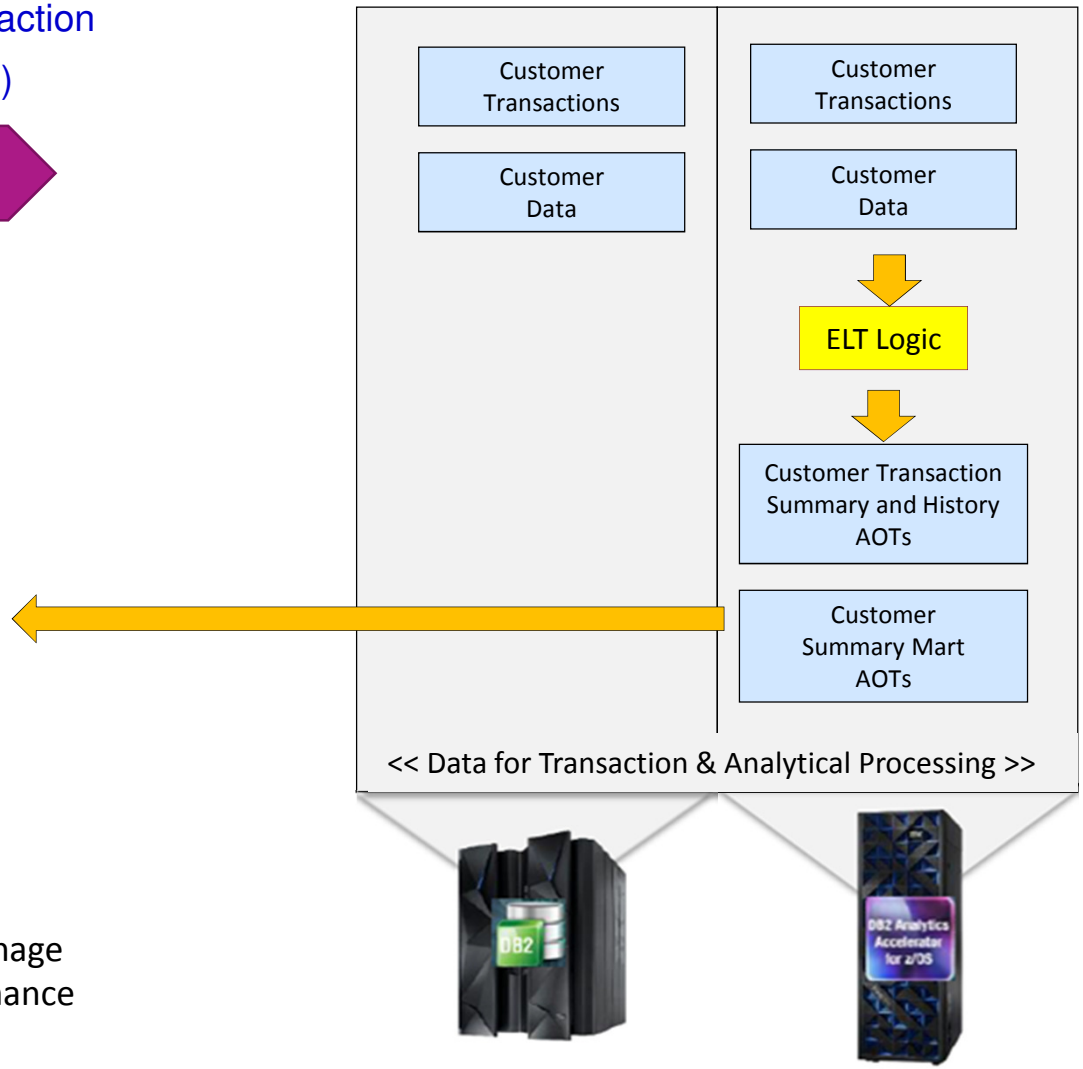
Using AOTs and ELT logic in the Accelerator

Operational Transaction Processing (OLTP)

Analytics



Advantages:

- Simpler to Manage
- Better Performance
- Lower latency

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New versions of DB2 Tools

IBM DB2 Utilities Solution Pack for z/OS, V2.2 (5697-DUP)

- IBM DB2 Automation Tool for z/OS, V4.2 (5655-E37)
- **IBM DB2 High Performance Unload for z/OS, V4.3 (5655-AA1)**
- IBM DB2 Sort for z/OS, V2.1 (5655-AA9)
- IBM DB2 Utilities Enhancement Tool for z/OS, V2.2 (5655-T68)

HPU – Fast and Flexible Unload tool.
- Unload Support for IDAA (SQL interface).

IBM DB2 Log Analysis Tool for z/OS V3.5 (5655-T56)

Rich Log Analysis, Recovery Operations, Auditing Analysis, and Replication.
- 64-bit processing mode: Peformance and Robustness.
- Quick Start panels: Customised views of common activitied.

IBM DB2 Performance Solution Pack for z/OS, V1.3 (5655-E74)

- **IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, V5.3 (5655-W37)**
- IBM DB2 Query Monitor for z/OS, V3.2 (5655-V42)
- IBM DB2 SQL Performance Analyzer for z/OS, V4.2 (5655-W60)
- IBM InfoSphere Optim Query Workload Tuner for DB2 for z/OS, V4.1 (5655-AA4)

- Buffer Pool Analyser – Exploits DB2 V11 native BP simulation.
- Integrates with the IBM Management Console for IMS and DB2 for z/OS, V1.1 (5655-TAC)
- Enhanced 3270 user interface:
  - Complete SQL text available for key thread displays
  - Support for OMEGAMON family history.

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New versions of IMS Tools

IBM Common Services Library for z/OS®, V1.1 (5655-CSL)

- Framework of common functions for select IBM tools. (no charge)
- a server to communicate with Eclipse-based plug-ins
- "Scrub" utility that removes sensitive information from IMS log records.

IBM IMS Configuration Manager for z/OS, V2.2 (5655-WR2)

- Automatic discovery of your entire IMS topology.
- Enterprise parameter management.
- Updating of offline resources with type-II commands or using the Eclipse plug-in.
- Support for IBM Explorer for z/OS.
- Integration with the separately licensed IBM IMS Cloning Tool for z/OS, V1.2 (5655-U91).
- IMS V14 support.

IBM Transaction Analysis Workbench for z/OS, V1.3 (5697-P37)

- Provides IBM Mobile Workload Reporting Tool (MWRT) with mobile CPU utilization and mobile workload tagging for CICS, IMS, DB2, WMQ, and WAS.
- Extended exception analysis
- IMS Version 14 support.

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CICS TS v5: Technical Update

Day 1 – Infrastructure Readiness
The morning presentations will focus on the latest CICS updates, what's new plus a specific CICS Cloud session. The afternoon workshops will leverage the latest CICS Explorer (the GUI front-end to CICS) to configure CICS CPSM plus a hands on CICS Cloud lab.

Day 2 – Application Revolution
The focus will be using Java and Liberty Profile in CICS as well as new integration options including Mobile. With presentations in the morning and the afternoon lab providing a hands-on CICS Liberty Profile experience.

Day 3 – Operational Efficiency
This day will provide insight into CICS application deployment with DevOps, as well as discussions around CICS and Problem Determination tools that can assist with upgrades and the day-to-day running of your CICS and z Systems environment. The afternoon workshop will provide attendees with hands on experience of key CICS and PD Tools.

Melbourne:
14 - 16 July
Podium Seminar Room
Podium Level
60 City Rd
Southbank

Sydney:
22-24 July
Seminar Room
Level 13,
601 Pacific Hwy
St Leonards

Wellington, NZ
27 July 2015
Ngaio Room

Adelaide
29 July 2015
Barossa Valley Boardroom
Ground Floor,
180 Greenhill Rd
Adelaide

Perth
31 July 2015
Kimberley Room
Level 1,
1060 Hay St
West Perth

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