CA Database Management Solutions for DB2 for z/OS
Utilities execution & Maintenance window

Manuel Gómez Burriel – May, 31st, 2018 – 2.08

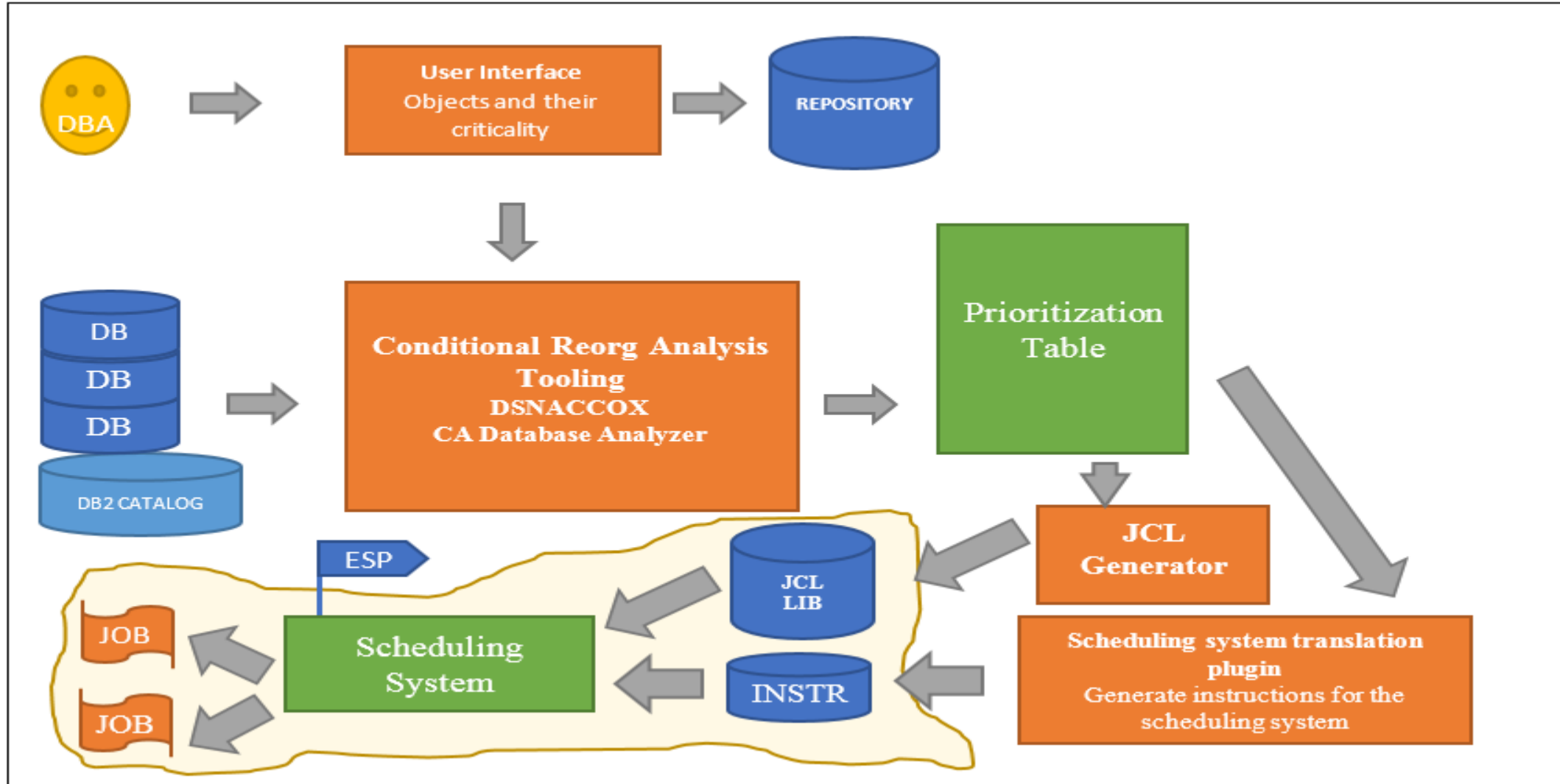# For Informational Purposes Only

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Agenda

- Introduction

- DB2 Utilities execution

  - What…

  - Why…and for what…

  - When…

  - Where…and how…

  - …..Any other question to debate?

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Introduction

DB2 Utilities execution: What…

- What kind of utilities ?

  - SW provider: only 1, 2, 3,…

  - REORG: ONLINE exclusively?

  - IMAGE COPY:

    - SHRLEVEL REFERENCE/CHANGE

    - INLINE

  - RUNSTATS: stand alone or integrated in other utilities?

  - RECOVERY: never if possible…

  - LOG ANALYZER

  - Administrative: Performance / Administration

DB2 Utilities execution: Why…and for what

- Why do you execute DB2 utilities? What is the goal to achieve?

  - New business (application) requirement: CREATE

  - Update business (application) requirement: ALTER

  - DBA proactivity

    - SQL performance analysis

    - Object analysis

    - Subsystem parametrization/migration

  - DBA reactivity

    - Error condition

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DB2 Utilities execution: When…

- When do you execute DB2 utilities?

  - Who decides ? Business or IT. If IT, which IT?

  - Utilities maintenance window available?

    - Deadline to execute utilities

    - Prioritization ? Which criteria: business or DBA ?

    - Parallelism: intra/extra lpars

    - System availability: CPU, work space, initiators,…

    - Subsystem parametrization/migration

  - On error condition: ASAP !!! But….

DB2 Utilities execution: When…

- When do you execute DB2 utilities?

  - REORG TABLESPACE/INDEX OFFPOSLIMIT INDREFLIMIT

    - V8 nice approach to optimize REORG execution

    - OFFPOSLIMIT INDREFLIMIT values: RC 2 if conditions met…

    - V12…deprecated…use DSNACCOX

  - REORG TABLESPACE/INDEX REPORTONLY

DB2 Utilities execution: Where…and how…

- Where do you execute DB2 utilities?

  - Dedicated LPAR, in case Data Sharing

  - Exclusive LPAR shared with business application

  - Any LPAR: based on WLM rules and policies

- How do you execute DB2 utilities?

  - Job scheduler: CA-7, TDS, CONTROL-M

  - What kind of jobs manage? MF only ? Distributed also?

  - Controls: Coordination/dependencies, termination, restarting,…

Questions?

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Thanks

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