

Tap is the only Solution

By

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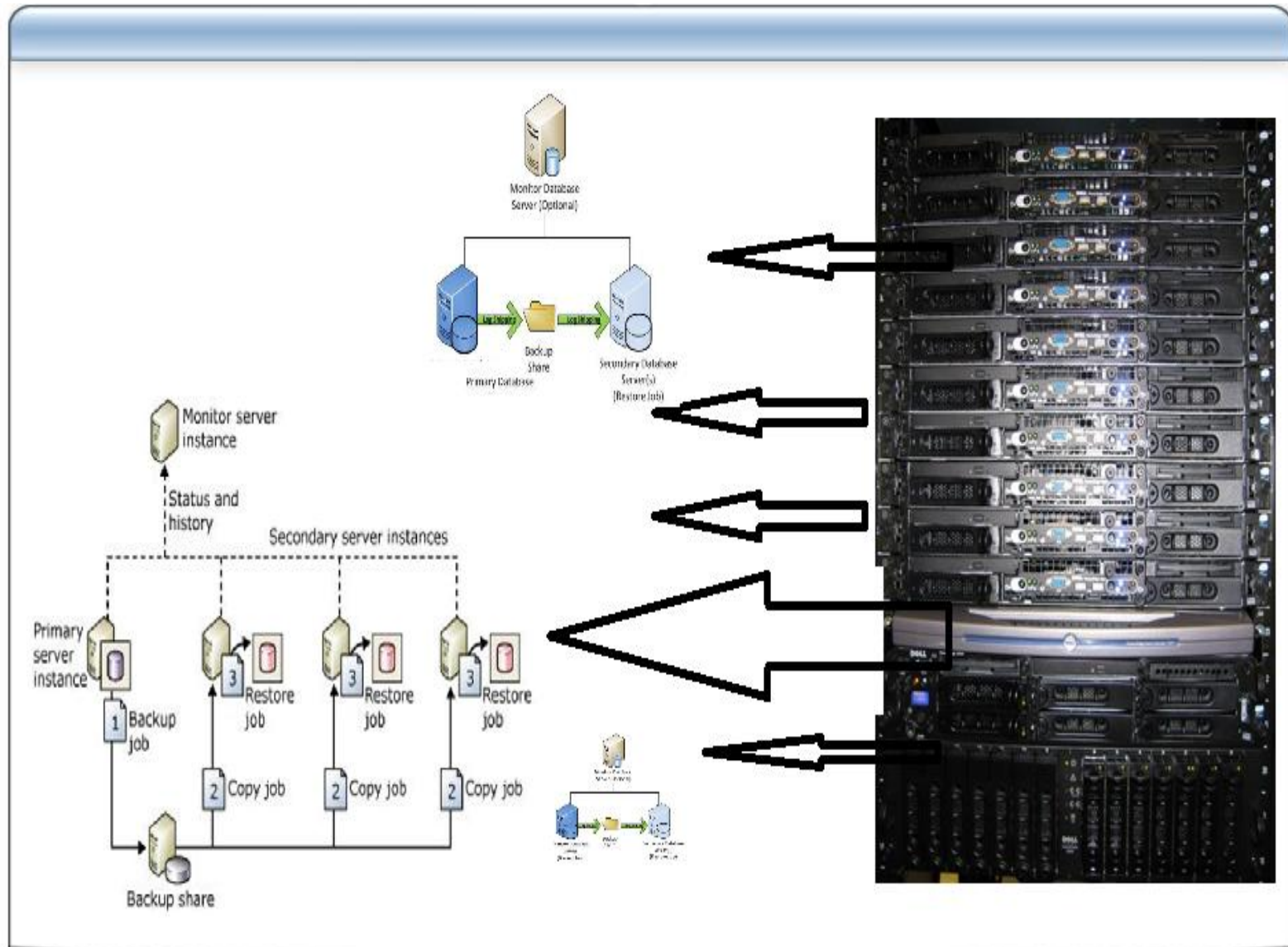


- 8 Years of enriched experience
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Resource Scarcity → Water?



Problem: Scarce Resources of Server



Wish come true → Control Server Resources



Wish come true → Control Server Resources



Agenda

- **What is Resource Governor**
- **Nuts & bolts of RG**
- **Setting correct expectations: Capabilities of RG**
- **How it works**
- **Lot's of Demo: How to Setup & Live Throttling, Monitoring etc.**
- **Caution**
- **Best Practices**

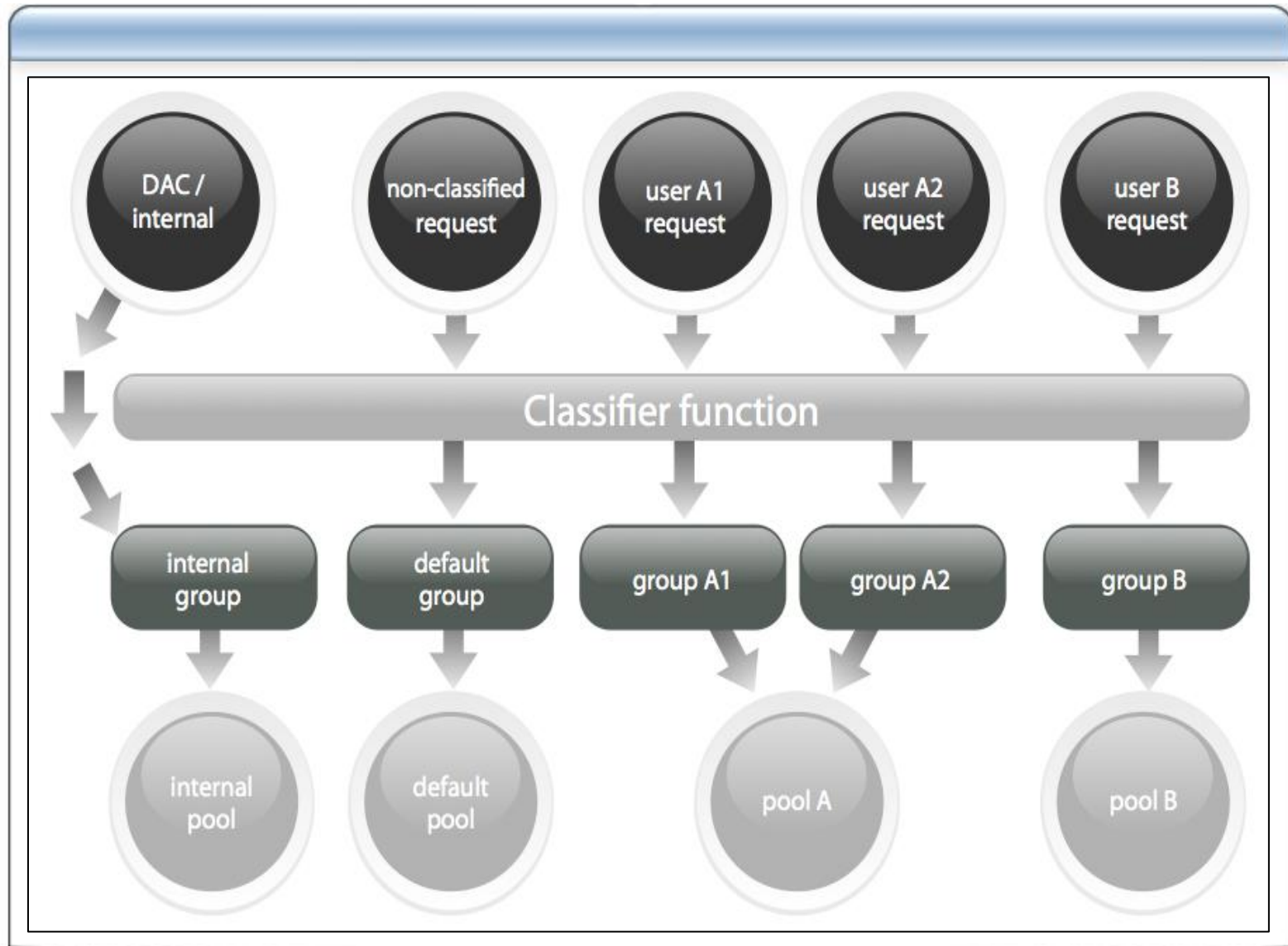
Resource Governor

- A set of technologies within the Database Engine that allows you to place controls on various facets of CPU and/or memory, either at an aggregate level, or at an individual request level.

Nuts & Bolts of RG

- **Resource Pools** : A “slice” of an instance’s CPU and memory.
 - **Purpose**: to allocate resources based on limits during contention.
- **Workload Group**: Bucket for a set of similar queries or tasks.
 - **Purpose**: to route requests in the group to a specific resource pool.
- **Classifier Function**: The glue that holds together the binding of user requests to workload groups.
 - **Purpose**: Assign the connection to relative Resource Group using WG.

Heart of RG = Classifier Function



Demo: Resource Governor



- How to setup?
- Live Throttling\ Playing with gears
- Diff Types of Classifier Function
- Monitor using PerfMon
- Tips & Tricks
- Cleanup

Caution & Best Practices

- **WorkloadGroup names are always Case-sensitive**
- **Test the DAC**
- **Optimize the Classifier Function**
- **Use the PreConnect Trace Events to get time estimate.**
- **Test the Classifier Function Under Load**
- **Avoid {or Optimize } Table Lookups**
- **Use Local Variables Where Appropriate**
- **Etc.**

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Q&A

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Understanding Transactional Replication Latency



Speaker: Abhay Chaudhary

Date: 2nd August 2012

Day: Thursday

Time: 3:30 PM

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Thank you ☺

for suggestions, please email at admin@SQLServerGeeks.com