

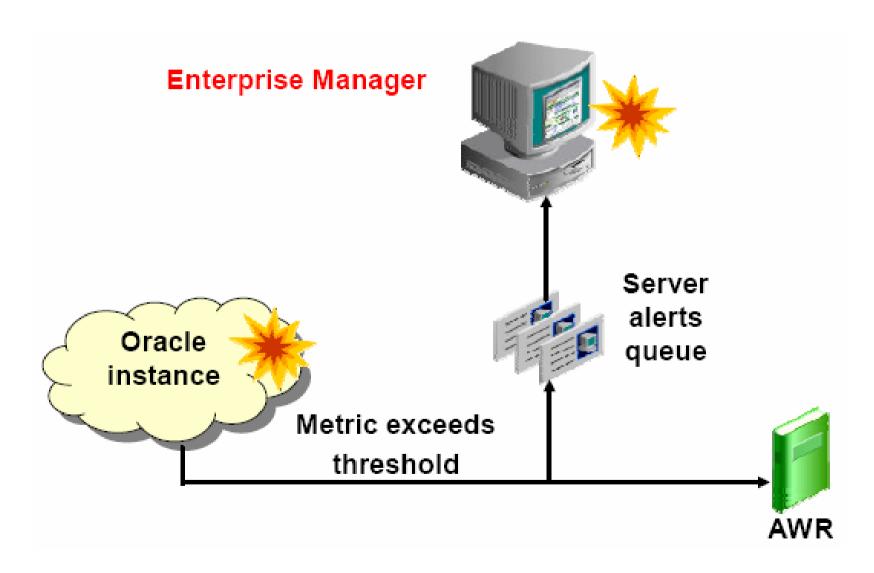
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Tujuan

Setelah menyelesaikan bab ini, anda seharusnya dapat melakukan hal-hal berikut:

- Melakukan seting peringatan dan siaga critical pada thresholds
- Mengumpulkan dan menggunakan metrik dasar
- Menggunakan tuning dan diagnostic advisor
- Menggunakan Automatic Database Diagnostic Monitor (ADDM)
- Mengatur Automatic Workload Repository

Server Generated Alert



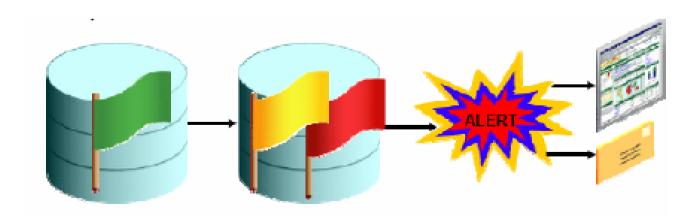
Threshold

Masing-masing metric bisa menugaskan dua thresholds:

- Warning
- Critical

Jika thresholds sudah dicapai, alerts dipicu oleh :

- Notifikasi-notifikasi yang kelihatan di Alerts region dari Database Control homepage
- Optional e-mail alerts



Setting Tresholds

Manage Metrics Enterprise Manager pada halaman property menyediakan akses ke setting threshold

Manage Metrics				
Thresholds Baselines				
			(Edit Thresholds)	
Pending changes: 0				
Metric	Comparison Operator	Warning Threshold	Critical Threshold	
Archive Area Used (%)	>	80		
Archiver Hung Alert Log Error	Contains		ORA-	
Archiver Hung Alert Log Error Status	>	0		
Audited User	<u> </u>	SYS		
Average File Read Time (centi-seconds)	>			
Average File Write Time (centi-seconds)	>			

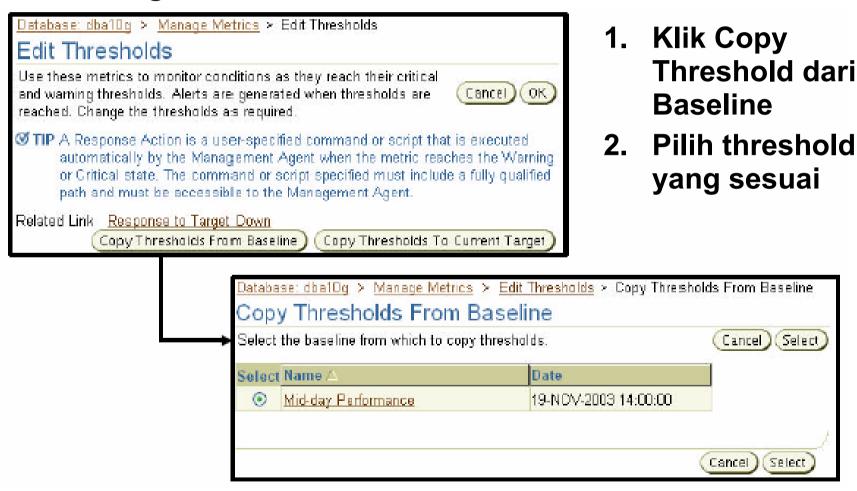
Baseline Measurements

Pengukuran Baseline menyediakan rekomendasi threshold berdasarkan pada performance data yang sebenarnya

Create Metric	Baseline
Create a matric basel basis to calculate the on the percentages a	ine by specifying the date whose performance metric date will be used as a carcel ox scholds. If you choose, Weming and Critical thresholds will be calculated based peoified.
* Flame	Mid-Day-Performance
■ Date	18-NOV-2003 E
	CSpecify eldate hyberolicerformence was acceptable for this rangets (xxximix)e; 556 1 ft, 2001;
Hour of day	4 M GADICPM
Warning Percusbage	10
Citical Percentage	25
	CTHE PASKING STOLCHEOG GOFCONCESCO WIT OR LICEGUE SECTION HISTOLOGISCULO LOW ON A HIGH MICHOGO TO COLOUGE PARTIES TO PROPERTY TO A COLOUGE PARTIES TO PROPERTY TO A COLOUGE PARTIES TO A COLOUGE PARTI
	Go

Using Baselines

Untuk mengaktifkan stored baseline:



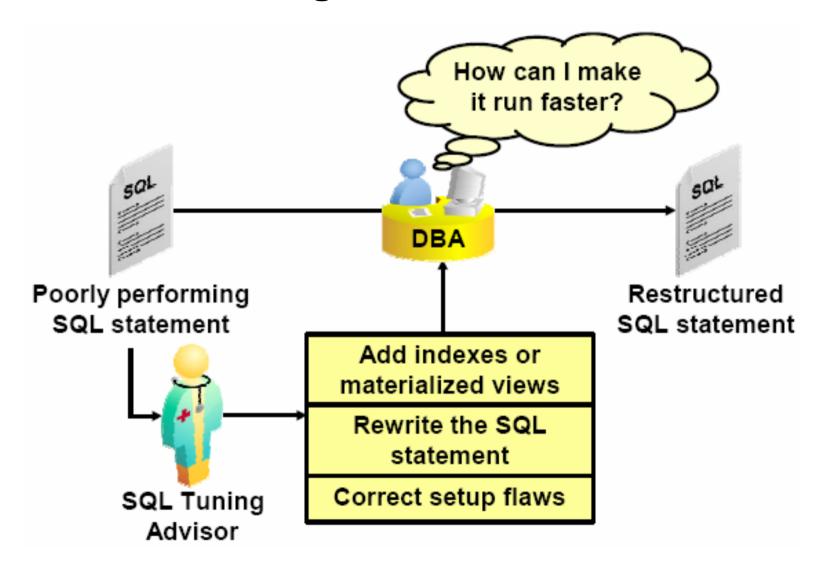
Tuning and Diagnostic Advisors

Database Oracle 10g menyediakan beberapa tuning dan diagnostic advisors :

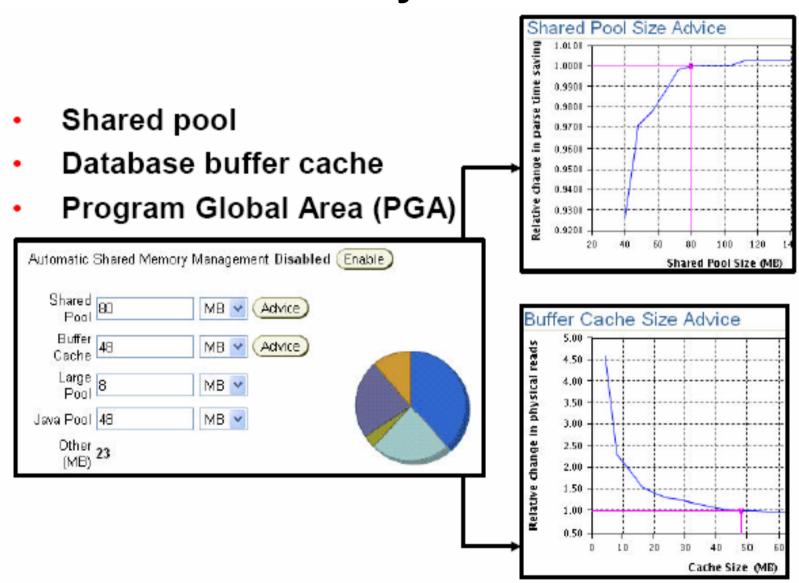
- Automatic Database Diagnostic Monitor (ADDM)
- SQL Tuning dan Access Advisors
- Memory Advisors
- Mea-Time-To-Recover (MTTR) Advisor
- Segment Advisors
- Undo Management Advisors



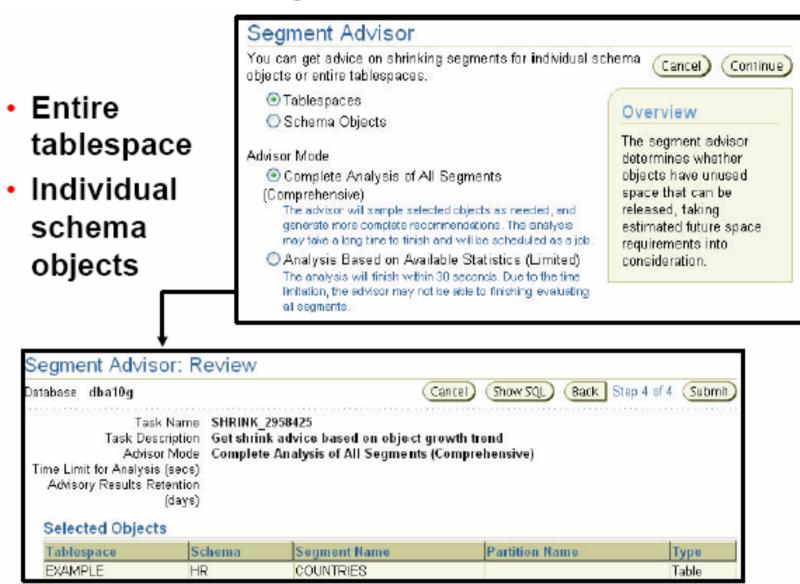
SQL Tuning dan Access Advisor



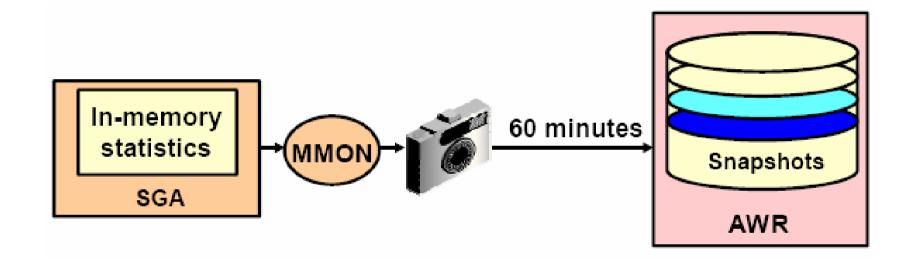
Memory Advisor



Segment Advisor



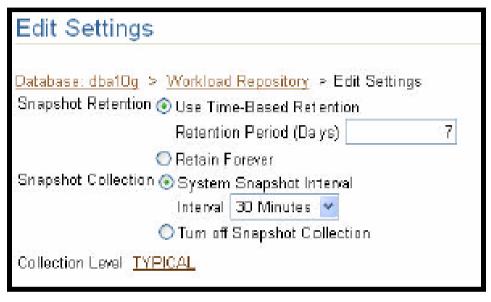
Automatic Workload Repository (AWR)



- Built-in penyimpanan dari informasi performance
- Snapshots dari database metrics diambil setiap 60 menit dan disimpan untuk 7 hari
- Fondation untuk semua fungsi self-management

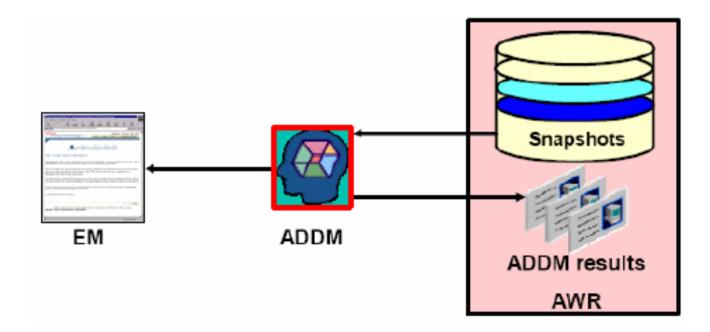
Mengelola AWR

- Retention period
 - Default 7 hari
 - Mempertimbangkan
 - Kebutuhan storage
- Collection Interval
 - Default 30 menit
 - Mempertimbangkan kebutuhan storage,
 - performance impact
- Collection level
 - Basic (disables most of ADDM functionality
 - Typical (recommended)
 - All (menambahkan additional informasi SQL tuning ke snapshots)

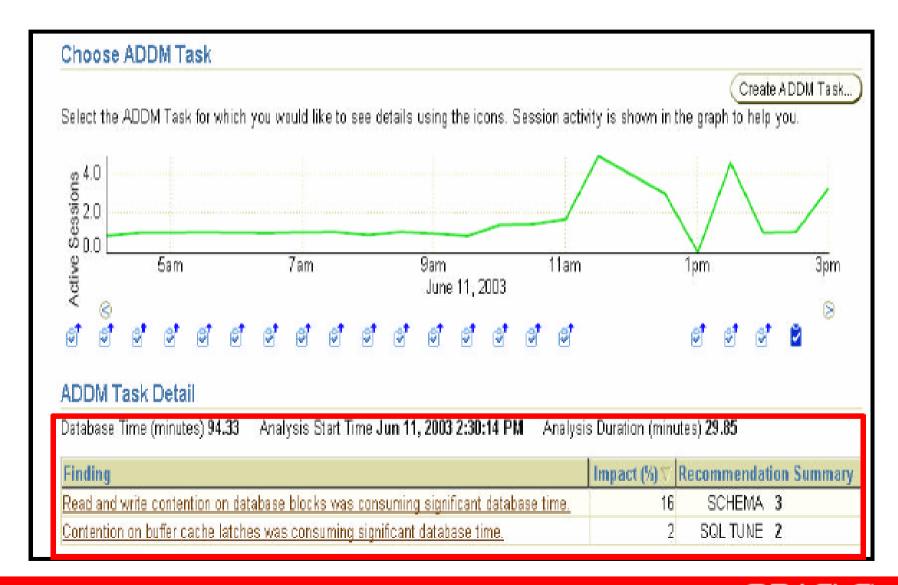


Automatic Database Diagnostic Monitor (ADDM)

- Berjalan setelah masing-masing AWR snapshot
- Memonitor instance dan mendeteksi bottlenecks
- Results disimpan bersama AWR



Penemuan ADDM



Rekomendasi ADDM



Ringkasan

Pada bab ini, anda seharusnya telah mempelajari bagaimana cara untuk:

- Mengeset warning dan critical alert thresholds
- Mengumpulkan dan menggunakan baseline metrics
- Menggunakan Tuning dan Diagnostic Advisors
- Menggunakan Automatic Database Diagnostic Monitor (ADDM)
- Memanajemen Automatic Workload Repository