



Improve Your SAP Performance with Cisco UCS

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Partnership with CISCO

How we have been working with CISCO?

- I AM Group of Companies has been working closely many years with CISCO in many projects in Organization and State enterprise. Basically we have assisted in **execution of SAP related Implementation.**
- Baseline Technology Consultants **has jointly tested UCS with SAP in many platforms** in both testing system and real project sites to make sure the technical aspects of CISCO-UCS with SAP environment.
- **Supporting SAP technical implementation or migration for CISCO-UCS platform.**



I AM Consulting : Line of Business in year 2012



Starting from year 2012, I AM Group has total of **seven** business units covering all aspects of SAP related products and implementation which can help our clients to maximise their IT investment.





The banner features a navigation menu with six items: BASELINE TECHNOLOGY (teal), ECM CONSULTING (blue), CODE IT CONSULTING (red), MOBILE TECHNOLOGY (olive), ERP CONSULTING (orange), and MANAGEMENT (purple). Below the menu is a photograph of a runner's feet on a track with starting blocks. The text 'Best result starts from BASELINE' is overlaid on the right side of the image.

iam consulting

BASELINE TECHNOLOGY

ECM CONSULTING

CODE IT CONSULTING

MOBILE TECHNOLOGY

ERP CONSULTING

MANAGEMENT

Best result starts from **BASELINE**

BASELINE TECHNOLOGY

[Home](#) / [Baseline Technology](#)



BASELINE TECHNOLOGY

Baseline Technology has been performing all technical assistant for SAP more than 10 years with a strong track record.

BASELINE TECHNOLOGY is focus on SAP Technology consulting services that founded in 2002 by a group of leading SAP Basis consulting in Thailand. The result of practical with more than 50 customers are illustrate the success and the expertise of SAP Technology consulting.

We help you design and deploy complex IT landscapes – providing expert hands-on assistance throughout the lifecycle – from strategy, to planning, to implementation, to training and support for ongoing operations.

Strategy and Design

Our services provide you with a solid foundation for effective, optimized IT landscapes. Leveraging proven, BASELINE consulting helps you optimize your mission-critical IT systems.

- cm SAP Sizing verification
- cm SAP Infrastructure design and optimization
- cm SAP Upgrade

Implementation

When it comes to performance, availability and reliability, BASELINE delivers comprehensive one-stop services for implementing complex IT platforms such as SAP NetWeaver or mySAP Business suite. Our consultants have a broad range of SAP and non-SAP expertise, as well as hands-on experience of migrating a variety of operating systems and databases.

- cm SAP Netweaver Technology implement for ECC , BI , PI , Portal and SRM etc.
- cm SAP High Availability
- cm SAP Backup Infrastructure integration
- cm SAP Security and authorization
- cm Knowledge transfers

Continuous Improvement

To ensure your systems deliver the dependability and responsiveness you demand, BASELINE also offers system management. This includes services such as system checks and support – both for remotely operated environments and on-site at your own data center.

- cm SAP Maintenance and Support (2'nd Level Support)
- cm System Performance Optimization
- cm SAP Upgrade
- cm SAP System Copy/ Migrations
- cm Unicode conversion
- cm Disaster Recovery setup



Objective

Improve SAP System with UCS

- Understand SAP System Environment
- SAP Performance Factor
- Understand SAP Scalable
- Understand SAP Migration

Agenda

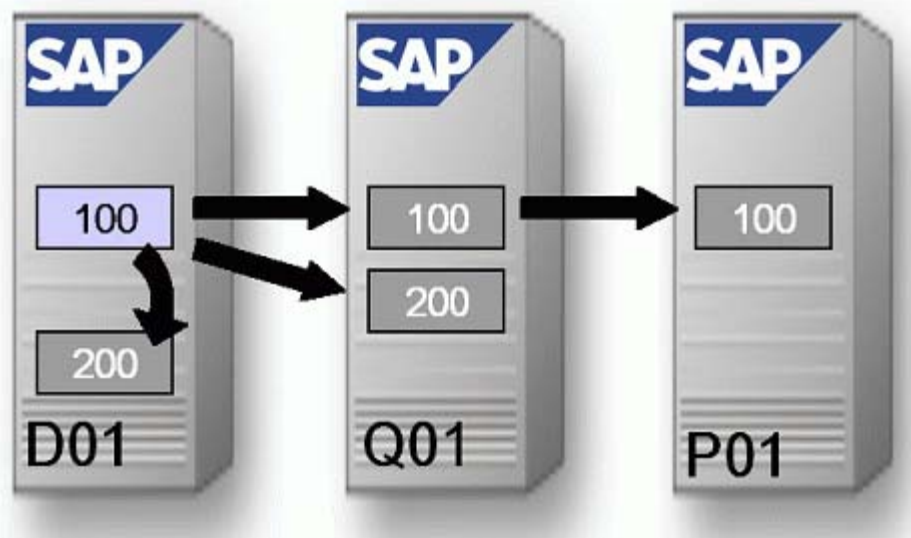
1. SAP System & Sizing
2. SAP Performance
3. SAP Scalability
4. SAP Migration



1. SAP SYSTEM & SIZING

System Landscape

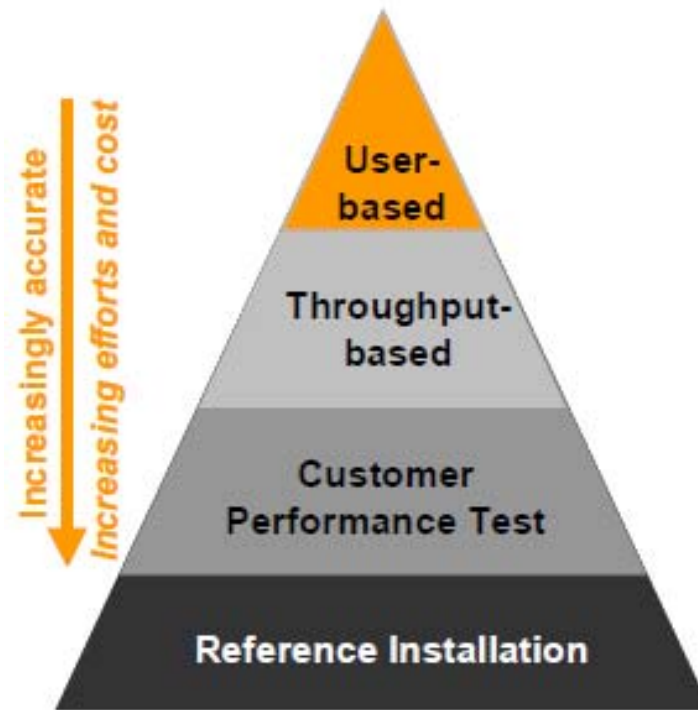
- Standard 3 System Landscape



SAP Sizing

- Sizing Approach

- What's SAPS ?



SAPS = SAP R/3 Application Benchmark Performance Standard

100 SAPS = 6,000 dialog steps (screen changes) with 2,000 postings or 2,400 SAP transactions.

2. SAP PERFORMANCE

SAP Performance

- What's Performance ?

Response time – Speed with which the system reacts to request or other input

Throughput – Number of successful transactions per time period

- Improving Performance

After unsatisfactory performance identified due to high response time or low throughput

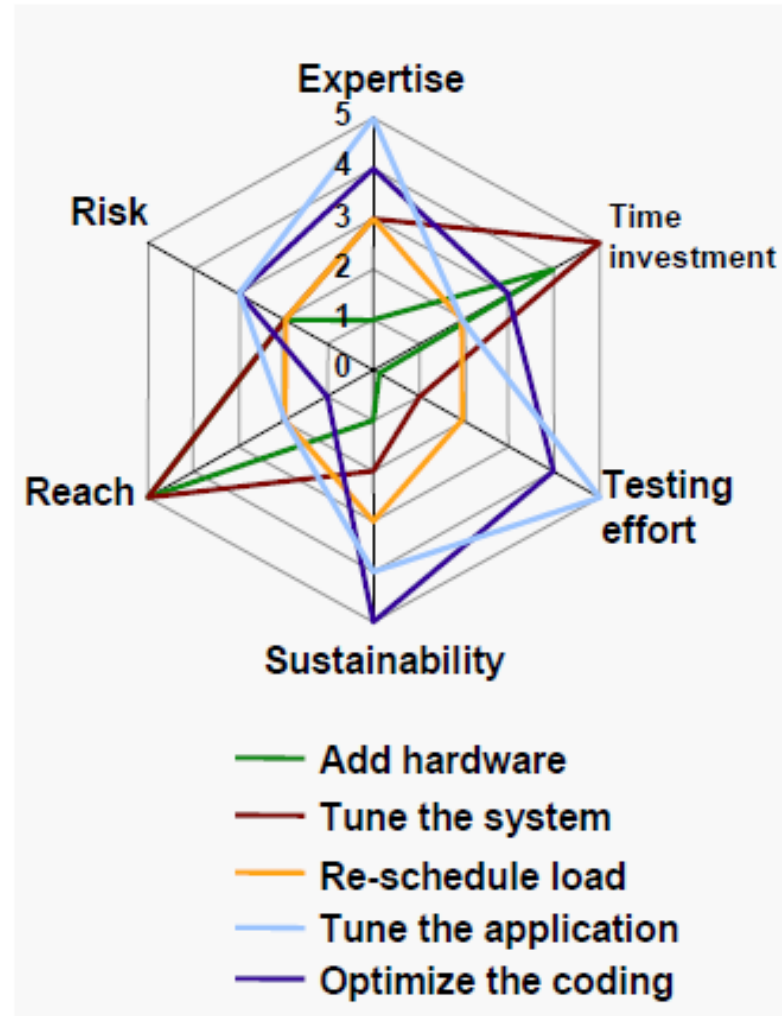
** Good performance is if performance metric match your need or SLA

Measurement Resource Consumption

- Most important KPIs
 1. CPU time consumed
 2. Peak Memory used
 3. Disk space
 4. Network load

Option for Improvement

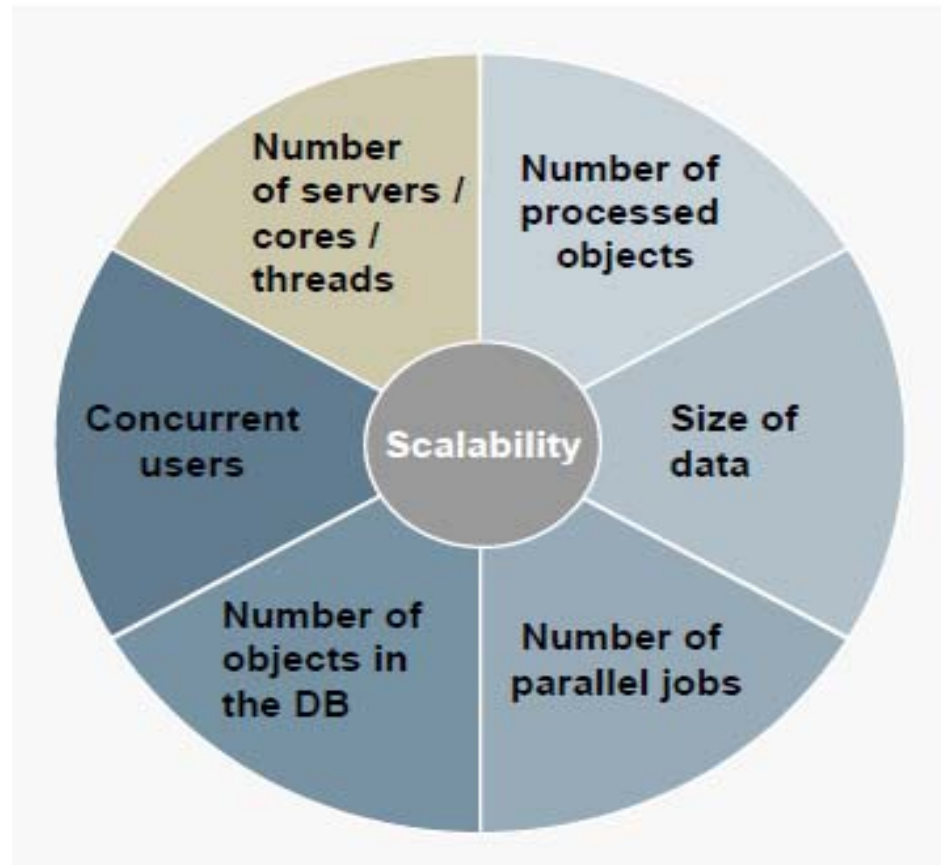
- **Add hardware**
 - ◆ Additional application servers (consider impact on DB server)
 - ◆ Additional CPUs/memory on server(s)
- **Tune the system**
 - ◆ Profile parameters
 - ◆ Increase buffer sizes
- **Re-schedule load**
 - ◆ Distribute load more evenly across servers and time
- **Tune the application**
 - ◆ Customizing, configuration
 - ◆ Function and performance
- **Optimize the coding**
 - ◆ Requires time, knowledge, ...



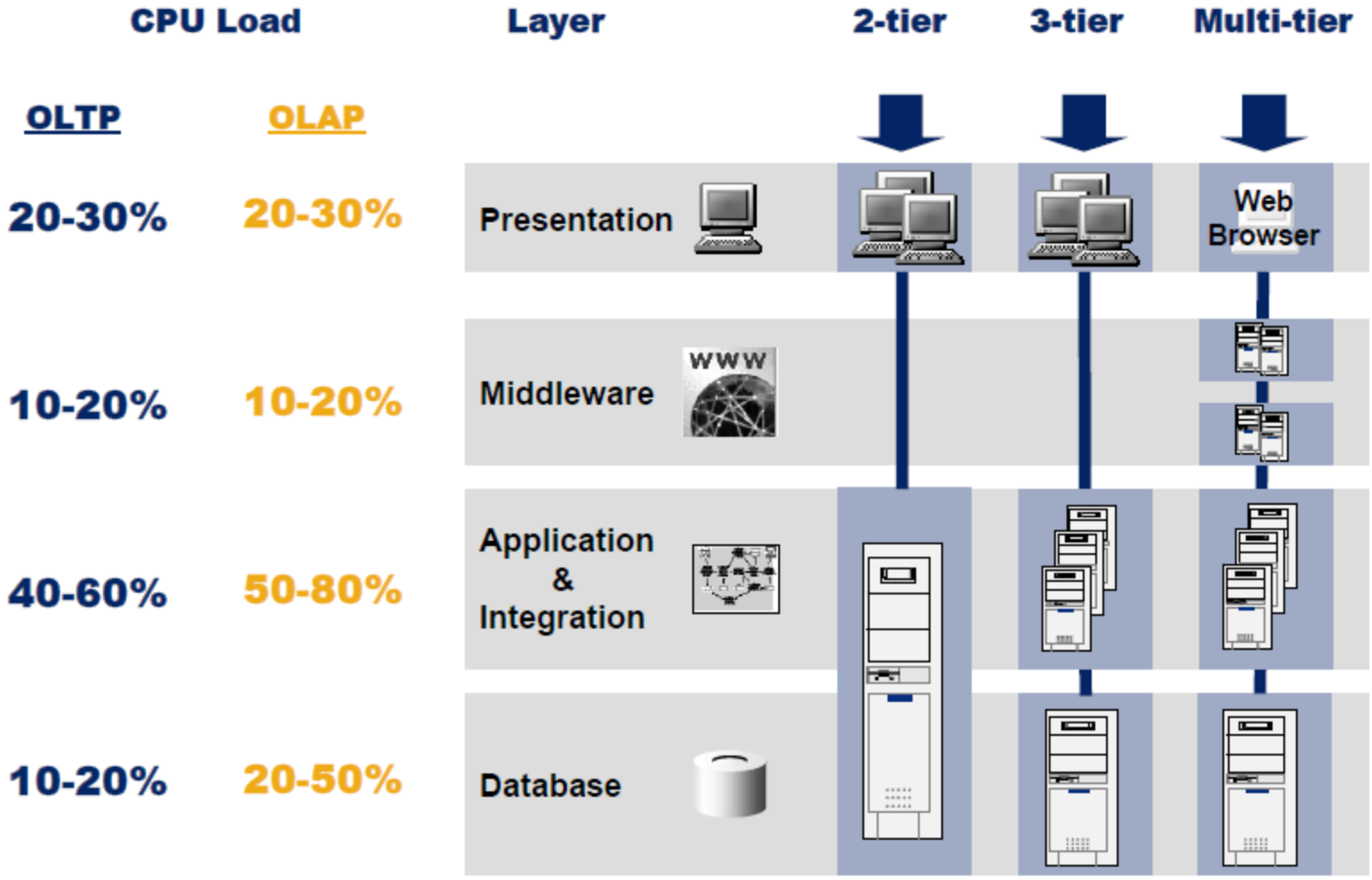
3. SAP SCALABILITY

Dimension of scalability

- External and Internal scalability

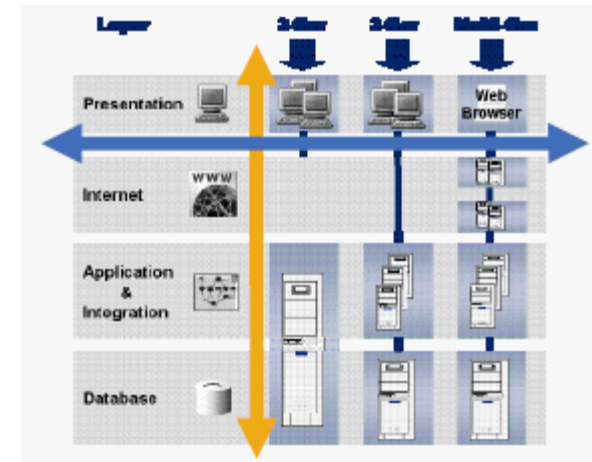


SAP Software layer & tiers



Vertical & Horizontal Scalability

- Vertical Scalability
 - Change from 2 tiers to 3 tiers
- Horizontal Scalability
 - Add more Application Server



** The combination of ABAP application and database server with other application server difference OS is supported (note 531069)



4. SAP MIGRATION

Migration Fact.

“Migration are the ticket for modernized SAP IT Infrastructure”

- Generate additional cost
- Need down time for Production
- Need Internal resource for testing
- Be an additional risk
 - To use benefit of virtualized server
 - To lower DB maintenance cost
 - To Improve Application availability
 - To Move away from unsupported platform

Migration Overview

- System Copy

- Duplication of an SAP system

- Certain SAP parameters may change when a system is copied

- All the instances are newly installed

- Database set up using a copy of source system database

- 1) Homogeneous System Copy

- Both operating system & database system stay the same

- 2) Heterogeneous System Copy (Migration)

- Both operating system & database system can be change

How we can help you to improve your SAP with CISCO-UCS?

Service 1 - Welcome to SAP with UCS

Description:

For customer who starting implement SAP. This service will help customer find the right hardware sizing align with their business need and rapid start the project with SAP installation services on two mandatory systems

Service 2.1 - Migrate SAP to UCS

Description:

For customer want to migrate currently SAP system to UCS server. For operating system, SAP support both MS-Window and LINUX (Red hat, SUSE). This service will create a test system on new platform (UCS) for evaluate their SAP functionality (proof of concept).

Service 2.2 - Scalable SAP with UCS

Description:

For customer want to scalable SAP capacity by add more application server (Dialog instance) with UCS server. For operating system, SAP support both MS-Window and LINUX (Red hat, SUSE) on UCS Server as Heterogeneous system. This service will create a test environment for evaluate their SAP functionality.

please refer to <http://service.sap.com/pam>

SAP Platform support (NW 7.0)

	Windows (*8)					AIX	HP-UX					Solaris	Linux SuSE SLES9, 10, 11 Linux Red Hat EL 4, 5			i5/OS IBM j	z/OS	TRU64		
	Server 2003 IA32 32bit	Server 2003 IA64 64bit	Server 2003 x64 64bit	Server 2008 IA64 64bit (*2)	Server 2008 x64 64bit (*2)		5.2, 5.3, 6.1 Power 64bit	11.11 PA-RISC 64bit	11.23 PA-RISC 64bit	11.31 PA-RISC 64bit	11.23 IA64 64bit		11.31 IA64 64bit	9, 10 SPARC 64bit	10 x64 64bit				IA32 32bit	IA64 64bit
Unicode/Non-Unicode	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	+/+	-/-	+/+
Oracle 10.2 (*3)	X	X	X	-	X	X	X	X	X	X	X	X	X	X	Q1 2011	X	Q1 2011	-	-	-
Oracle 11.2 (*13)	Q2 2010	Q4 2010	Q2 2010	Q4 2010	Q3 2010	X (*18)	-	-	Q2 2010	-	X	X (*19)	X	X (*21)	-	X (*21)	-	-	-	-
SQL Server 2000 (*12)	X	X	X (*9)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2005	X	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SQL Server 2008 (*10)	-	X	X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DB2 LUW V8 (*15)	X	X	X	-	-	X	X	X	-	X	-	X	-	X	X	X	X	-	-	-
DB2 LUW V9.1	X	X	X	-	X (*11)	X	-	X	-	X	X	X	-	X	X	X	X	-	-	-
DB2 LUW V9.5	-	-	X	-	X	X	-	-	-	X	X	X	-	-	X	X	X	-	-	-
DB2 LUW V9.7	-	-	X	-	X (*18)	X (*18)	-	-	-	X	X	X	-	-	X (*20)	X (*20)	X (*20)	-	-	-
MaxDB 7.6 (*17)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
MaxDB 7.7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-
MaxDB 7.8 (*13)	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	Q2 2010	-	-	-
DB2 for i5/OS V5R3, DB2 for j 5.4, 6.1 (*4)	AS	-	AS	-	AS	-	-	-	-	-	-	-	-	-	-	-	AS	-	X	-
DB2 for z/OS V8, V9 (*7)	AS (*5)	-	AS	-	AS	AS	-	-	-	-	-	-	-	-	-	AS (*6)	-	AS (*6)	-	HA(*1) DB



CISCO