在 RHEL 4 上安裝 Oracle Database 10g R2(下)

作 者:鄭嘉松 Steven Cheng

前言

在上一期的文章中,我們已經完成了安裝 Oracle 10g R2 的前置準備工作。本期 筆者將延續之前的步驟,說明如何利用 Oracle Universal Install OUI 工具安裝 Oracle 10g R2。整個安裝過程主要分為三部份,首先會先安裝 Oracle 資料庫管理程式 (DBMS)部份,然後再利用輔助工具建立資料庫(Database),最後說明如何設定 Client 連線工具。

安裝 Oracle 10g R2

執行 Oracle 10g R2 安裝程式以前,請準備好 Oracle 10g R2 for Linux x86 安裝光碟, 並且以 root 帳號將光碟載至 RHEL 系統(正常情況下系統會自動掛載光碟)。

請以 oracle 帳戶登入系統以啓動 Oracle Universal Install OUI 工具安裝:

su - oracle
\$ cd /tmp
\$ /media/cdrom/runInstaller

Oracle Universal Install OUI 工具會先檢查作業系統版本是否符合 Oracle 10g R2的安裝 需求,執行畫面如下:

Starting Oracle Universal Installer... Checking installer requirements... Checking operating system version: must be redhat-3, SuSE-9, redhat-4, UnitedLin ux-1.0, asianux-1 or asianux-2 Passed All installer requirements met. Preparing to launch Oracle Universal Installer from /tmp/OraInstall2006-08-04_08 -23-41PM. Please wait ...

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利用輔助工具建立資料庫

在安裝 Oracle 10g R2 時我們可以選擇同時建立資料庫,此時 OUI 工具會自動執行 「網路組態輔助程式--- NetCA」以及「資料庫組態輔助程式--- DBCA」。但筆者認為 先安裝 Oracle 資料庫管理程式 (DBMS) 部份, 之後再利用輔助程式建立資料庫和 網路組態配置,這樣對於將來實務上比較具有彈性空間。

- • ×

【10】資料庫組態輔助程式--- DBCA

\$ su – oracle \$ dbca ~ Database Configuration Assistant : Welcome Welcome to Database Configuration Assistant for Oracle database. The Database Configuration Assistant enables you to create a database, configure database options in an existing database, delete a database, and manage database templates.

【11】DBCA選項

Cancel

Create a Database 建立一個全新的資料庫。

Help

Configure Database Options in a Database 可修改既存資料庫中部份的系統參數,例如把專用伺服器模式改為共享伺服 器模式。

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Next 📎

- Delete a Database 刪除資料庫中所有的資料檔和控制檔。
- Manage Templates 此選項你可以新增、修改或刪除樣版。

	Database Co	onfiguration Assistant, Step 1 of 12	: Operations	
	Select the	operation that you want to perform:		
	@ Cre	ate a Database		
	000			
	O Con	figure Database Options		
1	O Dele	ete a Database		
	OMan	nage Templates		
	⊖ Con	figure Automatic Storage Management	t	
X-				
Billington				
Concol Upla			2 Deck Ma	
	J.			<u></u>
【12】資料庫的樣	版選擇			
【12】資料庫的樣 】	版選擇 abase Config	uration Assistant, Step 2 of 12 : Da	tabase Templates	
【12】資料庫的樣 Dat	版選擇 abase Config Select a te	uration Assistant, Step 2 of 12 : Date management of the state of the	tabase Templates	
【12】資料庫的樣 Dat	版選擇 abase Config Select a te Select	uration Assistant, Step 2 of 12 : Date emplate from the following list to creat Template	tabase Templates te a database:	Includes Datafiles
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【13】資料庫識別名稱(SID)

請注意「SID、instance及資料庫」這三者之間的區別。一台伺服器可以有兩個 以上的資料庫,而每個資料庫可能由一個或多個 instance 組成以維持資料庫 的運作。但是同一個資料庫的 instance 名稱必須是唯一的,而且各個 instance 所屬的SID也必須是唯一的。

	e Configuration Assistant	Step 3 of 12 : Database Identification 📃 📒 💐
	An Oracle database is uniq "name.domain".	uely identified by a Global Database Name, typically of the form
	Global Database Name: 🛛	ma10g
	A database is referenced k	v at least one Oracle instance which is uniquely identified from
	any other instance on this o	omputer by an Oracle System Identifier (SID).
	SID:	pra10g
Cancel Heln		Back Next S
		G gater Berr 2
【14】管理選項(可打	旨定資料庫警示訊	息傳送至指定的電子郵件位址)
✓ Databas	e Configuration Assistant	, Step 4 of 12 : Management Options
	Each Oracle database may	be managed centrally using the Oracle Enterprise Manager Grid Oracle Enterprise Manager Database Control, Choose the
_	Each Oracle database may Control or locally using the management option that yo	be managed centrally using the Oracle Enterprise Manager Grid Oracle Enterprise Manager Database Control. Choose the u would like to use to manage this database.
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	Each Oracle database may Control or locally using the management option that yo Configure the Database Use Grid Control for D Management Service	be managed centrally using the Oracle Enterprise Manager Grid Oracle Enterprise Manager Database Control. Choose the u would like to use to manage this database. with Enterprise Manager Database Management
	Each Oracle database may Control or locally using the management option that yo Configure the Database Ouse Grid Control for D Management Service	be managed centrally using the Oracle Enterprise Manager Grid Oracle Enterprise Manager Database Control. Choose the u would like to use to manage this database. with Enterprise Manager Database Management No Agents Found
	Each Oracle database may Control or locally using the management option that yo Configure the Database O Use Grid Control for D Management Service O Use Database Contro Enable Email Notifir	be managed centrally using the Oracle Enterprise Manager Grid Oracle Enterprise Manager Database Control. Choose the u would like to use to manage this database. with Enterprise Manager Database Management No Agents Found
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	Use the Same Passy Password: Confirm Password:	word for All Accounts	
	C Use Different Pess	vorde	
	User Name	Password	Confirm Password
	sv2		
	SYSTEM		
	DBSNMP		
	SYSMAN		
Cancel Help			<u> ⊗</u> Back Next ≫
6】資料庫儲存	Z選項 Database Configuration As	sistant, Step 6 of 12 : Si	torage Options
	Select the storage mech	nanism you would like to	use for the database.
	File System Use the File System	for Database storage.	
	C Automatic Storage M Automatic Storage M optimizes database specify a set of disk	anagement (ASM) Management simplifies da Hayout for I/O performan Is to create an ASM disk g	atabase storage administration and ice. To use this option you must either group or specify an existing ASM disk group
Theorem and the second	C Raw Devices Raw partitions or vo Clusters (RAC) data File System is not av control file, and log	lumes can provide the re bases if you do not use A ailable. You need to hav file you are planning to c	equired shared storage for Real Application witomatic Storage Management and a Cluste /e created one raw device for each datafile, rreate in the database.
1 Magazing Malanenian 1 Magazing Malanenian 1 Magazing Malanenian 1 Magazing Malanenian		· · _	

◆ File System (檔案系統)

將資料庫檔案放在檔案系統。為了提昇資料庫資料存取效能,建議將資料庫 檔案與資料庫管理程式(DBMS)分開存放在不同的實體磁碟。

- ASM(自動儲存管理)
 將資料庫檔案儲存在ASM磁碟系統。如果資源足夠,允許提供另一個資料
 庫 instance 來專門負責磁碟空間的管理,一般來說,使用ASM並不會耗太
 多資源,它佔用的RAM不會超過64MB。
- ◆ Raw Devices (原始磁碟裝置)

將資料庫檔案儲存在原始磁碟裝置,也就是未經作業系統格式化的磁碟或分 割區。操作上比較繁瑣不便,因爲你必須事先針對每一個資料檔(data files)、 控制檔(control files)、重置日誌檔(redo log files)依依建立一個原始磁碟 裝置。

【17】資料庫檔案位置的設定

✓ Database	Configuration Assistant, Step 7 of 12 : Database File Locations	/// = = ×
Database	Configuration Assistant, Step 7 of 12 : Database File Locations Specify locations for the Database files to be created: Use Database File Locations from Template Use Common Location for All Database Files Database Files Location: /oracle/u02/oradata Use Oracle-Managed Files Database Area:	Browse)
Nacatalitation and an and a second and a sec	Multiplex Redo Logs and Control Files)	
And	If you want to specify different locations for any database files, pick either above options and use the Storage page to specify each location.	of the
	File Location V	'ariables)
Cancel Help	<u>(⊰ Back</u> Next ≫)	Einish

【18】復原組態及位置的設定

Flash Recovery Area (快閃復原區域)此功能是 Oracle 10g 一個新的概念。它 是磁碟上的一個專用空間,用來放置來自RMAN的備份檔,如此一來RMAN能 夠更輕易地操作備份和復原作業達到時光回溯資料庫功能。Flash Recovery Area的儲存空間通常位於磁碟系統,因此為了保險起見,建議再定期將Flash Recovery Area中的備份資料庫檔案,定期備份至磁帶保存,以備不時之需。一 般來說,此空間最少要準備2GB的可用空間,但因為筆者的系統為測試環境所 以只設定256MB。

✓ Database	e Configuration Assistant, Step 8 o	12 : Recovery Configura	tion = = ×				
	Choose the recovery options for the	database:					
	Specify Flash Recovery Area						
	This is used as the default for all for automatic backup using Enter files and recovery files be located performance.	backup and recovery opera prise Manager. Oracle reco I on physically different disł	ations, and is also required mmends that the database ks for data protection and				
	Flash Recovery Area:	{ORACLE_BASE}/flash_reco	Browse				
West Scherier West Scherier	Flash Recovery Area Size:	256	M Bytes 💌				
Handbarden Derstelltanderen Honden Ho	Enable Archiving	Edit Archive Mode Param	ieters)				
Cancel			File Location Variables				
在安全性及效的 Sample Schemas	it考量下,生產用的資料 ;。 (se Configuration Assistant, Step 9 (庫(production dat of 12 : Database Content	abase) 不應該安裝				
	Database Components Custom	Scripts					
	Select the components you want to c tablespace in which you want the co disabled are either not installed or c	onfigure for use in your data mponent to reside. Compone lepend on components whic	base. Provide the ents which appear h are not selected.				
	🗹 Oracle Data Mining	SYSAUX 👻					
	✓ Oracle Text	SYSAUX 👻					
	✓ Oracle OLAP	SYSAUX -					
	🗹 Oracle Spatial	SYSAUX 👻					
	🗆 Oracle Ultra Search	SYSAUX -					
	Coracle Label Security	SYSTEM					
	🗆 Sample Schemas	SYSAUX -					
	✓ Enterprise Manager Repository	SYSAUX -	Database Components)				
Cancel Help		(⟨ Back [Next >) Einish				

【20】資料庫初始參數設定---記憶體配置

與過去版本相比,10g最大的功能提升是自動化管理機制。以往資料庫管理者 必須手動設定緩衝區快取、共享資源池等記憶體資源。新的Memory Advisor, 提供記憶體調整的建議;10g可以自動調整系統全域記憶體(System Global Area,SGA),避免記憶體不足或斷裂(Fragmentation)的問題。共享記憶體的 新功能,讓系統可以自己管理記憶體資源、自動重新排列(reallocated),當處 理過程發生變動,管理者不需要反覆手動設定個別SGA元件的尖峰值。

$\mathbf{\nabla}$	Database	Configuration Assi	stant, Step 10 of	12 : Initialization Pa	rameters	- • ×
		Memory (Sizing	Character Sets	Connection Mode	
		C Typical - Alloca Percentage: Custom Shared Memor SGA Size PGA Size: Total Memory Total Memory () Total memory () Total memory	te memory as a p 44 Show Mi y Management: for Oracle: hemory includes 4 parameters, if am	ercentage of the total emory Distribution) Automatic O Manua 160 16 216 M Bytes OMB of Oracle Process y.	physical memory (500 Mi	8) • the
	Cancel Help			_ <u>₿</u> a	ck Next ») E	inish

- 【21】資料庫初始參數設定---SIZE大小
 - ◆ 提供指定資料庫的預設區塊大小,以及允許同時連線到資料庫的程序總個數。其中Block Size 參數的預設值為 4KB 或 8KB 會依作業系統不同而不一樣,但是不管設定為何,只要它是作業系統區塊大小的倍數即可。目前資料庫區塊大小的設定正確與否,對資料庫的影響已經不像以前的版本那麼嚴重了,因為資料庫中的表格空間,可以擁有與預設區塊大小不同的區塊大小了。
 - ◆ 另外如果你的資料庫伺服器是屬於透過專用的連線方式(Dedicated Server Mode),那麼資料庫會為每個連線使用者分配一個專屬的連線(connection),此時請務必把Process的值設定多一點,例如300左右。但因為筆者的系統為測試環境所以只設定系統預設值150。

【22】資料庫初始參數設定---語言參數

資料庫的語言參數請依照將來存取資料性質規劃,必須注意的是此設定安裝完 之後就沒有辦法改變了,所以請小心設定。

▼ Database	Configuration Assistant,	Step 10 of 1	12 : Initialization Parameters	
	Memory	Sizing	Character Sets Connection Mode	
	Database Character S C Use the default The default charact operating system: V Use Unicode (AL32L) Setting character se language groups. C Choose from the list Database Character National Character Set: Default Language:	er set for thi WEBISO88591 ITF8) t to Unicode of character r Set: WE AL16UTF: American	is database is based on the language setting of this P1. (AL32UTF8) enables you to store multiple r sets 18ISO8859P1 - ISO 8859-1 West European 16 - Unicode UTF-16 Universal character set	
	All Initialization Paramete	ers)		
Cancel Help			(

【23】資料庫初始參數設定---連線模式

在連接數不很大且保持長期連接的情況下,專用模式為每個連接設立一個專用 oracle服務,以保持較高的性能和穩定性。而當連接數上升到非常高的數目且 不保持長期連接時,資料庫管理開銷增大,並且佔用大量系統資源,給作業系 統形成帶來極大的壓力。在這種情況下,共用模式比較有利,它為每個連接不 再有專用的oracle服務,每次SQL操作由分配器(dispatcher)確定oracle服務。

	comganation resistant, step to of 12 ; maanzaaon r	
	Memory Sizing Character Sets	Connection Mode
	Select the mode in which you want your database to ope	rate by default:
	© Dedicated Somer Made	
The Martin	For each client connection the database will allocate a	resource dedicated to serving
	only that client. Use this mode when the number of to	tal client connections is expected
	to be small or when clients will be making persistent, i database.	ong-running requests to the
	C Shared Server Mode	
	Several client connections share a database-allocated	pool of resources. Use this mode
	when a large number of users need to connect to the efficiently utilizing system resources. The Oracle share	database simultaneously while
	Shared Servers sharifies the number of server process	es that you want to create when
	an instance is started up.	es that you want to create when
	Shared Server:	
	Ŀ	dit Shared Server Parameters
	L	
	All Initialization Parameters)	
Cancel Help	K B	ack (Next ≫) Einish
	<u></u>	
24】資料庫儲存設	定	
24】資料庫儲存設 在這個設定步	定 驟裡,可以檢視與修改控制檔、資料權	當以及重置日誌檔的儲存
24】資料庫儲存設 在這個設定步 置,此外還可	定 驟裡,可以檢視與修改控制檔、資料檔 以設定多工備份處理(multiplex),已	當以及重置日誌檔的儲存 達到更好的安全性目標
24】資料庫儲存設 在這個設定步 置,此外還可.	定 驟裡,可以檢視與修改控制檔、資料檔 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
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24】資料庫儲存設 在這個設定步 置,此外還可 Databa	定 驟裡,可以檢視與修改控制檔、資料檔 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S General Options	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
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24】資料庫儲存設: 在這個設定步 置,此外還可. Databa Storage → Tablespaces → Datafiles → Redo Log Groups	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S General Options Controlfile Mirror Images: File Name File Directory Control01.ctl /oracle/u02/oradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage ● ■ ■
24】資料庫儲存設: 在這個設定步; 置,此外還可. Databa	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlfile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control02.ctl /oracle/u02/oradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步) 置,此外還可. Databa Storage 「 ¹¹ Controlfile 「Tablespaces Controlfile	定 繁裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlffile Mirror Images: File Name File Directory Control01.ctl /oracle/u02/oradata/(DE Control02.ctl /oracle/u02/oradata/(DE Control03.ctl /oracle/u02/joradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage UNIQUE_NAME)/ UNIQUE_NAME)/ UNIQUE_NAME)/
24】資料庫儲存設: 在這個設定步 置,此外還可. Databa Databa Databas Balaspaces Datafiles Balaspaces Balaspaces Balaspaces Balaspaces	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S General Options Controlfile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步 置,此外還可. Databa Databa Datafiles Datafiles Datafiles Datafiles	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlfile Mirror Images: File Name File Directory Control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE	a以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步; 置,此外還可. Databa	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlfile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE (ORACLE_BASE)/oradata/	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步 置,此外還可. Databa Databa Databa Databaspaces Datafiles Datafiles Datafiles Datafiles	定 繁裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlfile Mirror Images: File Name File Directory Control01.ctl /oracle/u02/oradata/(DE control02.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE CORACLE_BASE)/oradata/	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步 置,此外還可. Databa Databa Datafiles Redo Log Groups	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlfile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE	a以及重置日誌檔的儲存 達到更好的安全性目標 torage ● ■ ■ ■ _UNIQUE_NAME}/ _UNIQUE_NAME}/ [DB_UNIQUE_NAME]/
24】資料庫儲存設: 在這個設定步; 置,此外還可. Databa Storage Tablespaces Datafiles Redo Log Groups	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S General Options Controlfile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步; 置,此外還可. Databa つ Storage Datafiles Datafiles Redo Log Groups	定 驟裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlffile Mirror Images: File Name File Directory control01.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/oradata/(DE	當以及重置日誌檔的儲存 達到更好的安全性目標 torage
24】資料庫儲存設: 在這個設定步; 置,此外還可. Databa Controlfile - Tablespaces - Datafiles - Redo Log Groups	定 繁裡,可以檢視與修改控制檔、資料格 以設定多工備份處理(multiplex),已 se Configuration Assistant, Step 11 of 12 : Database S Controlffile Mirror Images: File Name File Directory Control01.ctl /oracle/u02/oradata/(DE control02.ctl /oracle/u02/oradata/(DE control03.ctl /oracle/u02/joradata/(DE CORACLE_BASE)/oradata/	當以及重置日誌檔的儲存 達到更好的安全性目標 torage UNIQUE_NAME)/ UNIQUE_NAME)/ _UNIQUE_NAME)/ [DB_UNIQUE_NAME)/

Cancel)

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🕑 Databas	se Configuration Assistant, Step 11 of 12 : Database Ste	orage		
Controlfile Tablespaces Tablespaces Tablespaces SYSAUX SYSTEM SYSTEM UNDOTBS1 UNDOTBS1 SERS Controlfile Controlfile SYSAUX SYSTEM SYSAUX Controlfile SYSAUX S	Name /oracle/u02/oradata/{DB_UNIQUE_NAME}/sysaux01.dbf /oracle/u02/oradata/{DB_UNIQUE_NAME}/system01.dbf /oracle/u02/oradata/{DB_UNIQUE_NAME}/undotbs01.dbf /oracle/u02/oradata/{DB_UNIQUE_NAME}/users01.dbf	Tablespace SYSAUX SYSTEM TEMP UNDOTBS1 USERS	Size (M) 120 300 200 50	
Create Delete		File Lo	cation Vari	ables)
Cancel Help	(d Ba	ck <u>N</u> ext	» (Einish

Ge	eneral	
Gr	oup #: 1	
File	e Size: 51200 K	Bytes 👻
Red	do Log Members:	
	File Name	File Directory
	redo01a.log	{ORACLE_BASE}/oradata/{DB_UNIQUE_NAME}/
đ	redo01b.log	/oracle/u02/oradata/ora10g/
ø	2	
U		

General		
Group #: 2		
File Size: 51200 K	Bytes 👻	
Redo Log Members:		
File Name	File Directory	
redo02a.log	{ORACLE_BASE}/oradata/{DB_UNIQUE_NAME}/	
🧶 redo02b.log	/oracle/u02/oradata/ora10g/	
ð		
General		
Group #: 3		
File Size: 51200 K	Bytes 👻	
Redo Log Members:		

	File Name	File Directory
	redo03a.log	{ORACLE_BASE}/oradata/{DB_UNIQUE_NAME}/
đ	redo03b.log	/oracle/u02/oradata/ora10g/
8	2	

【25】開始建立資料庫

Oracle Ultra Search

Sample Schemas

Oracle Label Security

Enterprise Manager Repository

在建立資料庫之前,DBCA會以HTML格式呈現出安裝程序摘要,建議將此報 表儲存,以方便維護或資料庫相關文件編寫。

~ 衣脑仔,以刀便瘫硬身	义具不归 []	旧闌乂忓煸舄。	
Database Configu	ration Assist	ant, Step 12 of 12 : Creation Options	- • ×
Coloct the d	tabaco croat	ion options:	
	napase creac	on options.	
	e Dalabase		
	as a Database	2 Template	
Name:	ora10g		
Descript	ion:		
	rata Databaci	Croation Scripto	
	iale Dalabase	e creation scripts	
Director	y. /oracle/	u01/app/oracle/admin/ora10g/scripts Brow	/se
a second s			
Cancel Help		🔇 Back 🛛 🖄 🖉 🖉 🖉	nish)
	-		
·		ontirmation	
The following operations will be pe A database called "ora10g" will b	erformed: be created.		
Database Details:			
Cus	tom	Database	
Use this tem	plate to cre	eate a customized database.	
Common Options	5		
Ontion	Selected]	- 84
Oracle IVM	true		- 88
Oracle Data Mining	true		
Oracle Text	true		
Oracle XML DB	true		
Oracle Intermedia	true		
Oracle OLAP	true		
Oracle Spatial	true		- 11

(Save as an HTML file...)

false

false

false

true

Database Configuration Assistant	
 Creating and starting Oracle instance Creating database files Creating data dictionary views Adding Oracle JVM Adding Oracle XML DB Adding Oracle Intermedia 	
65% Log files for the current operation are located at: /oracle/u01/app/oracle/product/10.2.0 /db_1/cfgtoollogs/dbca/ora10g	

【27】DBCA 安裝總結

當DBCA完成建置後,會提醒您資料庫的相關訊息。需注意的是,除了SYS、 SYSTEM、DBSNMP和SYSMAN外,其餘帳戶預設都是鎖定狀態,您可以按下 「Password Management」按鈕啓用其他帳戶,並設定密碼。

Database Configuration Assistant
Database creation complete. Check the logfiles at /oracle/u01/app/oracle/product/10. 2.0/db_1/cfgtoollogs/dbca/ora10g for details.
Database Information: Global Database Name: ora10g System Identifier(SID): ora10g Server Parameter Filename: /oracle/u01/app/oracle/product/10.2.0/db_1/dbs/spfi
The Database Control URL is http://rhel4:1158/em
Note: All database accounts except SYS, SYSTEM, DBSNMP, and SYSMAN are locked. Select the Password Management button to view a complete list of locked accounts or to manage the database accounts(except DBSNMP and SYSMAN). From the Password Management window, unlock only the accounts you will use. Oracle Corporation strongly recommends changing the default passwords immediately after unlocking the account.
Password Management)
Exit

利用輔助工具設定網路組態

以上步驟我們已經完成了資料庫的安裝,接下來我們必須設定資料庫的網路組態, Oracle Net Configuration Assistant (NetCA) 可以協助我們方便快速的設定資料庫監聽 器的組態並且測試連線。

【28】資料庫網路組態輔助程式--- Oracle Net Configuration Assistant



【29】設定監聽器的組態

Oracle Net Configuratio	on Assistant: Listener Configuration, Listener 🖉 💷 💌
	For remote connections to be made to your Oracle database, you must configure a Oracle Net listener. The Oracle Net Configuration Assistant allows you to add, reconfigure, rename or delete a listener. Select what you want to do:
	Add
	O Reconfigure
	O Delete
	C Rename
	7
Cancel Help	



Oracle Net Configuration Assistant: Listener Configuration Done	- © ×
Listener configuration complete!	
Cancel Help 🔇 Back Next >>	

※注意:完成後工具自動儲存組態並且自動啓動監聽器服務。

啟動監聽器程序(Server端)

監聽器(listener process)是由Listener Control公用程式予以控制,您也可以透過此程式的介面程式啓動資料庫伺服器的監聽器或檢查狀態。

\$ su – oracle \$ lsnrctl status		
STATUS of the LISTENER		
Alias	LISTENER	
Version	TNSLSNR for Linux: Version 10.2.0.1.0 - Production	
Start Date	05-AUG-2006 18:29:27	
Uptime	0 days 0 hr. 0 min. 0 sec	
Trace Level	off	
Security	ON: Local OS Authentication	
SNMP	OFF	
Listener Parameter File	/oracle/u01/app/oracle/product/10.2.0/db_1/network/adm	
in/listener.ora		
Listener Log File	/oracle/u01/app/oracle/product/10.2.0/db_1/network/log	
/listener.log		
Listening Endpoints Summa	ry	
(DESCRIPTION=(ADDRESS=()	PROTOCOL=tcp)(HOST=10.11.1.1)(PORT=1521)))	
Services Summary		
Service "oral0g" has 1 in	stance(s).	
Instance "ora10g", stat	us UNKNOWN, has 1 handler(s) for this service	
The command completed successfully		

連線組態設定(Client端)

爲了讓使用者透過網路連接Oracle資料庫,請先確認下列兩點:

■Oracle資料庫已順利啓動

■Oracle資料庫的「聆聽器」已順利啓動

【30】命名方法的組態設定	Ē
✓ Oracle N	Vet Configuration Assistant: Welcome
	Welcome to the Oracle Net Configuration Assistant. This tool will take you through the common configuration steps, listed below. Choose the configuration you would like to do: C Listener configuration Naming Methods configuration C Directory Usage Configuration
Cancel Help	S Back Next >
Oracle Net Configu	ration Assistant: Net Service Name Configuration
	To access an Oracle database, or other service, across the network you use a net service name. The Oracle Net Configuration Assistant allows you to work with net service names resolved using local naming. Select what you want to do:
	⊂ Rename ⊂ Test
Cancel Help	
【31】指定連線命名名稱 ☑ Oracle Net Configuration A	Assistant: Net Service Name Configuration, Service Na 🗖 🔍 🗙
	Each Oracle database or service has a service name. An Oracle database's service name is normally its global database name. Enter the service name of the database or other service you want to access.
	Service Name: oralog
Cancel Help	(⊴ Back New ≫)

【32】 選取欲使用的網路協定

	To communicate with the database across a network, a network protocol is used. Select the protocol used for the database you want to access. TCP TCPS IPC
Cancel Help	🕜 Back Nex 🔊
33】指定資料庫主機位	址
Oracle Net Configuration	Assistant: Net Service Name Configuration, TCP/IP PI
	To communicate with the database using the TCP/IP protocol, the database computer's host name is required. Enter the host name for the computer where the database is located.
3	Host name: 10.11.1.1
	A TCP/IP port number is also required. In most cases the standard port number should be used.
	C Use another port number: 1521
Cancel Help	
34】連線資料庫測試 測試連線時,Oracl TIGER,登入資料 的,請先試著使用	e Net Manager會以預設的使用者名稱SCOTT及預設密碼 車,並回報連線嘗試的結果。所以如果您的測試結果是失 SYSTEM帳戶連線在測試一次。 tion Assistant: Net Service Name Configuration, Test ×
	You can verify that an Oracle database can be reached, using the information provided, by performing a connection test. Would you like to test that a connection can be made to

Oracle Net Configuration	Assistant: Net Service Name Configuration, Connectin 😑 💌					
	Wait while the Oracle Net Configuration Assistant tries to connect to the database using the information you provided Details: ConnectingTest successful.					
Cancel Help						
【35】使用Client軟體(solr	lus)連線資料庫測試					
	oracle@rhel4:~					
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> erminal Ta	<u>b</u> s <u>H</u> elp					
<pre>[oracle@rhel4 ~]\$. oraenv ORACLE_SID = [ora10g] ? [oracle@rhel4 ~]\$ sqlplus ;</pre>	system/oracle@ora10g					
SOI * Diver Delege 10 2 0 1						
SQL*Plus: Release 10.2.0.1.0 - Production on Thu Oct 5 17:20:45 2006 Copyright (c) 1982, 2005, Oracle. All rights reserved.						
Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production With the Partitioning, OLAP and Data Mining options						
SQL> select open_mode from v\$database;						
OPEN MODE						
READ WRITE	-					
SQL>						
【36】使用Oracle Enterprise Oracle 10g 版本提供 的連線方式,不需安 要特別注意的是,0 請在Web瀏覽器內輸	Manager 10g 資料庫管理工具連線測試 了以Web介面的資料庫管理工具。使用者只需要透過網路 裝任何 Client 端工具,就可以用瀏覽器輕鬆管理資料庫。 racle 10g R2連線的Port已經改為1158而不是R1的5500了。 入下列URL:					
http://10.11.1.1.1158/em						
如果您的 Oracle Enterprise 】 工具的服務:	Aanager 10g 服務沒有啓動,請輸入下列指令啓動管理控制					

\$ su - oracle
\$ emctl start dbconsole

A http://10.11.1.1:1158 - Oracle Enterprise Manager - Mic	crosoft Internet Explorer			. a x
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)				<u></u>
(3) 上一頁 • (5) • (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	🚱 😞 - 📐 🗑 - 📃 📢			
網址(D) @ http://10.11.1.1158/em/console/logon/logon			▼ 🛃 移至	連結
Google G - 開始 ↓ 愛 る - ☆ 書籤 - P	ageRank 👻 👰 65 己攔截 🛛 👋 拼字檢查	▼ 🧖 i 翻譯 ▼ 🌛 傳送到▼ 🥖		1
Porta ²⁰ · 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、 、	F標籤 🌆 標籤搜尋 🗸 🖂 信箱 🍠 兼	所聞台 ▼		
∑! · ∅ · □ · 變 · []	🕨 登入 🛛 🎾 網頁翻譯 🔹 🖂 信箱 🔹	🌠 拍賣 🔹 💝 交友 🔹 🞑 生活-	+ 🔹 🖗 知識+ 🝷 👸 購物 👻	»
ORACLE Enterprise Manager 10g			Help	*
Database Control				
Login				
Login to Database:ora10g				
* User Name				
* Password				
Connect As Normal 💌				
	gin			
Copyright © 1996, 2005, Oracle. All rights reserved.				
② Oracle Enterprise Manager (SYSTEM) - Database Instance 地方に) 伯根(に) 検想(0) 半位見幕(A) ブ目(T) 説明(0)	e: orailug - microsoft internet Expl	orer		
		IIA (24 x x		
		/ 🛃 🦗	_ 1 秒五	油灶
「「「上」」(2) (2) http://10.11.1.11158/em/console/database/instance/sitema Coorde Cマー 問題 4 の 見 マーク ま築マー ^{P4}	aprevent=doLoad⌖=ora1ug&type=or ageRank _▼ 🔊 65 已爛載 🎌 拟字检查	acie_database : ▼ 01. 翻譯 ▼ 📑 值送到▼ 🦼),1≣770 * 1 •
	下標籤 □◎標籤搜尋 - □◎信箱 . ◆ま	「月日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	and .	12
∑! - <i>Q</i> - 搜尋 - □- ●-	▶ 登入 🛛 🎾 網頁翻譯 🔹 🖂 信箱 🔹	躗 拍賣 🔹 💖 交友 🔹 🎑 生活	+ • 🖗 知識+ • 👸 購物 •	»
ORACLE Enterprise Manager 10g	/		Setup Preferences Help Logout	•
Database Control			Database	- 1
				- 1
			Logged in As SYSTE	EM
Database Instance: ora10g				_
Home Performance Administration Maintenance		()		_
	Page Refreshed Oct 16	, 2006 12:22:47 PM (Refresh)	View Data Automatically (60 sec)	-
General	Host CPU	Active Sessions	SQL Response Time	
Shutdown			🚯 Baseline is not available.	
T	100%	1.0	Reset Baseline	
Status <u>Up</u> Up Since Oct 16, 2006 12:15:04 PM GMT+08:00	75	0.5		
Instance Name ora10g Version 10.2.0.1.0	25			
Host <u>rhel4</u>		0.0		
	· · · · · · · · · · · · · · · · · · ·			
View All Properties	Load <u>1.21</u> Paging <u>U.01</u>	Maximum CPU 1		
Diagnostic Summary	Space Summary	High A	vailability	
ADDM Findings No ADDM run available	Database Size (GB)	Unavailable Instar	nce Recovery Time (sec) 21	
All Policy Violations 🗸 🛛 Alert Log <u>No ORA- errors</u>	Problem Tablespaces Segment Advisor	U Details Usable F	Last Backup n/a Tash Recovery Area (%) <u>100</u>	
	Recommendations Space Violations	✓ <u>0</u>	Flashback Logging <u>Disabled</u>	•

完成以上工作和步驟後,我們已經完成 Oracle 資料庫的安裝和設定。希望經由筆者的詳細說明,您可以正確的安裝和組態 Oracle 10g R2資料庫伺服器。

