Configuração do acesso à base de dados

Após as instalações do MS SQL Server 2000 (versão *developper*) e do *service pack 4* e após se reiniciar a máquina, deve-se verificar se os serviços (*services*) foram devidamente iniciados, nomeadamente deve-se verificar se os serviços "SQL Server" e "SQL Server Agent" estão a executar. O programa *SQL Server Service Manager* pode ser usado para iniciar/parar os serviços associados ao servidos da base de dados.





Figure 1 Start/Stop SQL Server service

Figure 2 Start/Stop SQL Server Agent service

A administração do servidor de bases de dados pode ser efectuada a partir da aplicação SQL Server

Enterprise Manager.

Numa primeira fase é necessário configurar o acesso ao servidor. As figuras seguintes ilustram esta tarefa.



Figure 3 SQL Server registration



Figure 4 SQL Server registration wizard

Available servers:		Added servers:	
		(LOCAL)	
PARQUANTUM2			
	Add >	1	
	< Remove	e	

Figure 5 Select a SQL Server. Use (local) for the local machine



Figure 6 Select SQL Server Authentication

Select Connection Opti When you connect usin login name and passwo	on ng SQL Server account information you can store your rd or provide it each time you connect.	0
C Login automatically	using my SQL Server account information.	
Login name:		1
Password:		1
Prompt for the SQL	Server account information when connecting.	

Figure 7 Select "prompt for the SQL account"

Select SQL Server Grou Specify whether you wan default SQL Server grou	p nt to add the SQL Server(s) you are registering to the p, another existing group, or a new SQL Server group.	0
 Add the SQL Server 	(s) to an existing SQL Server group	
Group name:	SQL Server Group	
C Create a new top-let	vel SQL Server group	
Group name:		
	<back next=""></back>	Cancel

Figure 8 Select SQL Server Group

Completing the Register
SQL Server Wizard
The SQL Server(s) you are registering is shown below. It may take several minutes for the wizard to connect and verify that the server exists and the connection information is valid.
(LOCAL)
< Back Finish Cancel

Figure 9 Finish the SQL Server register

🚡 SQL Server Ent	erprise Manager - [Consol	e Root\Micros	soft SQ 💶 🗖 🔀
🚡 File Action V	iew Tools Window Help		×
← → 🗈 💵 🗙 🖀 🕼 😫 米 🗠 🕼 🗑			
🚞 Console Root		SQL Server Gr	roup 2 Items
E Microsoft SQL	Servers r Group (Windows NT)		В
E FERRO	New SQL Server Registration. Edit SQL Server Registration p	 roperties	FERRO.WI (Windows NT)
	Delete SQL Server Registratio	n	
	Connect		
	Stop		
	Pause		
	Start		
	New	•	
	All Tasks	•	
	New Window from Here		
	Refresh		
	Properties		
	Help		

Figure 10 Connect to a SQL Server

Connect to SQL Server 🛛 🛛 🔀	Connect to SQL Server
SQL Server: ASAS	SQL Server: FERRO.WIN.DI.UBI.PT
Connection Information: Login name: SA Password:	Connection Information: Login name: bd0405 Password:
Save connection information and do not prompt again	Save connection information and do not prompt again
Connect Cancel	Connect Cancel

Figure 11 Connect to the SQL Server (local)

📸 SQL Server Enterprise Manager - [Console	Root\Microsoft SQL Servers\SQL Server Group\ASAS (Windows NT)\Sec 🖃 🗖 🔀
📸 File Action View Tools Window Help	
← → 🗈 📧 🗙 💣 🗗 💀 😫 🔆 ! :	N 🕼 👔 😨 🕞
Image: Second	Security 4 Items Security 4 Items Logins Server Roles Linked Servers New Login New Window from Here Refresh Help
Count of the server Roles Count of the servers FERRO.WIN.DI.UBI.PT (Windows NT)	

Figure 13 Create a login for a (local) database

SQL Serv	SQL Server Login Properties - New Login 🛛 🛛 🔀		
General	Server Roles Database Access		
	Name: tbd0405		
Authen	ntication		
	C Windows Authentication		
	Domain:		
	Security access:		
	Grant access		
	C Deny access		
	SQL Server Authentication		
	Password:		
Default:	ts		
L Contraction of the second se	Database: master 💌		
	Language: <a>CDefault>		
	OK Cancel Help		

Server Roles
Server roles are used to grant server-wide security privileges to a
login.
Server Role
Server Role
Server Administrators
Server Administrators
Disk Administrators
Database Creators
Bulk Insert Administrators
Can create and alter databases.
Properties

General Server Roles Database Access

Figure 15 Choose roles to grant to the new login

Figure 14 Choose a login name and SQL Server Authentication

Figure 12 Connect to the SQL Server (remote)

Uma vez criados os *logins* necessários (e respectivos privilégios) pode ser usado o programa *SQL Query Analyzer* para interrogar as bases de dados existentes (exemplo) ou para "executar" scripts.



Figure 16 Iniciar o SQL Query Analyzer



Figure 17 Estabelecer uma ligação a uma BD

Connec	t to SQL Server	- 🛛 🔀	
6	SQL Server:	asas 💌	
₩		Start SQL Server if it is stopped	
Connect	using:		
O W	C Windows authentication		
🔍 🖲 SC	SQL Server authentication		
Lo	gin name:	sa	
Pa	assword:		
	ОК	Cancel Help	

Figure 18 Estabelecer uma ligação a um servidor (local ou remoto)



Figure 19 Seleccionar a base de dados sobre a qual se vai trabalhar



Figure 20 Abrir um ficheiro de script

🖏 SQL Query Analyzer	
File Edit Query Tools Window Help	
👚 🛨 🖬 Change Database Ctrl+U	🗸 🕨 📕 🚺 Projecto1 💽 👯 🕵 🗳 🔚
Dbject Brov 🗸 Parse Ctrl+F5	
🗐 asas(s; 🕨 Execute F5	🗝 Query - asas.Projecto1.sa - D:\Aulas-0405\Quant 🖃 🗖 🔯
asas Cancel Executing Query Alt+Break	select count (distinct projnum) NProjectos
O magnetic Display Estimated Execution Plan Ctrl+L O m m O m m Index Tuning Wizard Ctrl+I	<pre>irrom attibuicao a where 2 <= (select count(*) from atribuicao a1 where a.empnum = a1.empnum) v</pre>
E Results in <u>T</u> ext Ctrl+T	<
Pr Results in Grid Ctrl+D	NProjectos
Pr Mi Results to File Ctrl+Shift+F	1 2
Put Put </th <th>Girids E Messages</th>	Girids E Messages
Date Current Connection Properties	Q asas (8.0) sa (57) Projecto1 0:00:00 Grid #1: 1 rows Ln 1, Col 1
Aggregate Functions	
📽 Objects 🖅 Templates	
Execute the query	Connections: 1

Figure 21 Executar scripts e visualizar os respectivos resultados



Figure 22 Aceder às opções do menu File/New...



Figure 23 Opções disponibilizadas pelo menu File/New...