Integrated Security for Shared ECMPS Client Tool Databases

To implement integrated security for shared ECMPS Client Tool databases on a SQL Server, please perform the following steps:

1. Login

Add login to SQL Server.

Note: It is recommended that a domain/active directory group (or server local group) be created. The ECMPS users would be added in this step.

🚦 Login Properties - POA\E	CMPS		X
Selecta page General	🔄 Script 🝷 🚺 Help		
Server Roles User Mapping Securables Status	Login name: Windows authentication SQL Server authentication Password: Confirm password: Enforce password policy Enforce password expiration User must change password Mapped to certificate Certificate name:		
Connection	 Mapped to asymmetric key 		
Server: sugarhollow	<u>K</u> ey name: Default <u>d</u> atabase:	ECMPS	
Connection: PQA\pjr	Default l <u>a</u> nguage:	English	
View connection properties Progress Ready			
		OK Cancel] .:

Figure 1 Add Login

ECMPS Integrated Security December 12, 2008 Page 2

2. Server Role

Select the Server Role [public].

Note: The "sysadmin" server role is not required or recommended.

Figure 2 Server Role

Login Properties - POA\E	CMPS	_ 🗆 🛛
Select a page	🔄 Script 👻 🖪 Help	
Server Roles User Mapping Securables Status	Server role is used to grant server-wide security privileges to a user. Server roles: bulkadmin docreator diskadmin processadmin public securityadmin serveradmin setupadmin sysadmin	
Connection		
Server: sugarhollow Connection: PQA\pjr		
View connection properties		
Progress		
C) Ready		
	ОК	Cancel

3. User Mapping

Select the following User Mapping settings:

Users: ECMPS, ECMPS_AUX and ECMPS_WS Database role membership: ECMPS_DBUser and [public]

Note: In the 2008 Q4 release of ECMPS, a new database role called ECMPS_DBUser has been created for each of the three ECMPS databases. This role is made up of the system roles "db_datareader" and "db_datawriter." This new database role owns all schemas for the 2008 Q4 release. The ECMPS_DBUser has access to all data in the three ECMPS databases, but does not have access to any databases that are not mapped or permission to alter the database structures. &

🚰 General	Script	🕶 🚺 Help			
😭 Server Roles 😭 User Mapping	Users mapped to this login:				
🚰 Securables	Мар	Database	User	Default Schema	
🚰 Status		ECMPS	PQA\ECMPS		
		ECMPS_AUX	PQA\ECMPS		
		ECMPS_WS	PQA\ECMPS		
		master			
		model			
		msdb			
		tempdb			
			CMPS		
			JMP5		
Connection	2	e <u>r</u> ole membership for: E(
Server:	db_a	e <u>r</u> ole membership for: E0 ccessadmin			
Server:	db_a db_ba	e role membership for: E0 ccessadmin ackupoperator atareader			
Server: sugarhollow Connection:	db_ad d_db db_da db_da db_da	e role membership for: E(ccessadmin ackupoperator atareader atareader atawriter			
Server: sugarhollow Connection:	db_ad db_ba db_da db_da db_da db_da	e role membership for: E(ccessadmin ackupoperator atareader atawriter dladmin			
Server: sugarhollow Connection:	db_a db_b db_d db_d db_d db_d db_d db_d	e tole membership for: EC ccessadmin ackupoperator atareader atawriter dladmin enydatareader enydatawriter wner			
Server: sugarhollow Connection: PQA\pjr	db_a db_b; db_d; db_d; db_d; db_d; db_d; db_d; db_d; db_o;	e tole membership for: EC ccessadmin ackupoperator atareader atawriter dladmin enydatareader enydatawriter wner ecurityadmin			
Server: sugarhollow Connection: PQA\pjr <u>Wew connection properties</u>	db_a db_b; db_d; db_d; db_d; db_d; db_d; db_d; db_d; db_o;	e tole membership for: EC ccessadmin ackupoperator atareader atawiter diadmin enydatareader enydatawriter wner ecurityadmin PS_DBUser			

Figure 3 Select User Mapping

ECMPS Integrated Security December 12, 2008 Page 4

4. Grants (Optional)

ECMPS has implemented locking of facilities using the built-in stored procedure sp_GetAppLock. For this to work optimally, the DBA should grant VIEW SERVER STATE to [login from step1]. ECMPS will not be adversely affected if this grant is not applied, but certain messages about locking resources may not be as detailed.