

Table of Contents

<u>Section Topic</u>	<u>Slides</u>	<u>Tab</u>
Course Contents	Intro.1-3	1
Section 1 - DBA Expectations/Tasks	S01.1-11	2
▪ The Role of the System and Database Administrator		
Section 2 - Ingres Architecture	S02.1-64	3
▪ Ingres File Systems and Locations		
▪ Architecture & Ingres Processes		
▪ DBMS Server & Cache		
▪ Logging & Locking Systems		
Section 3 - Installing Ingres	S03.1-14	4
▪ Planning and Sizing		
▪ The Installation Process		
▪ Patching Ingres		
▪ Starting and Stopping Ingres		
Section 4 - Configuring Ingres	S04.1-39	5
▪ Configuration Files & Tools		
▪ Accessdb & Configuring with SQL		
▪ Environment Variables		
Section 5 - Ingres Net	SO5.1-18	6
▪ Architecture		
▪ Vnodes & Installation Passwords		
▪ Load Balancing		
Section 6 - Management and Monitoring	S06.1-50	7
▪ Ingres Log files		
▪ Starting and Stopping Ingres		
▪ Monitoring and management tools		
▪ Trace Points		
▪ Operating System Commands		
▪ Ingres Technical Support		
Exercise 1 - Monitoring Tools	EX1.1	8
Section 7 - Security	S07.1-9	9
▪ Databases & Users		
▪ Permissions		
▪ Groups and Roles		
Section 8 - Databases, Backup and Recovery	S08.1-58	10
▪ Creating and Extending Databases		
▪ Checkpoints & Rollforwarddb		
▪ Auditdb		
▪ Unloaddb and Copydb		
▪ Relocatedb		
Section 9 - Storage Structures	S09.1-50	11
▪ What are they		
▪ Pages & Tids		
▪ Table Structures & Secondary Indexes		
Section 10 - Query Execution	S10.1-46	12
▪ Query optimization & Query Execution Plans		
▪ Repeated Queries		
▪ QE90 Tracing		
Section 11 - Table Optimisation and Statistics	S11.1-23	13
▪ Generating Statistics		
▪ Statistics and Histograms		
Exercise 2 - QEP's and Optimization	EX2.1	14
Section 12 - When problems occur	S12.1-13	15
Section 13 - Miscellaneous	S13.1-7	16