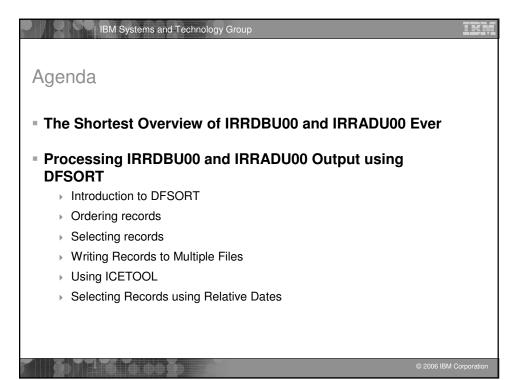
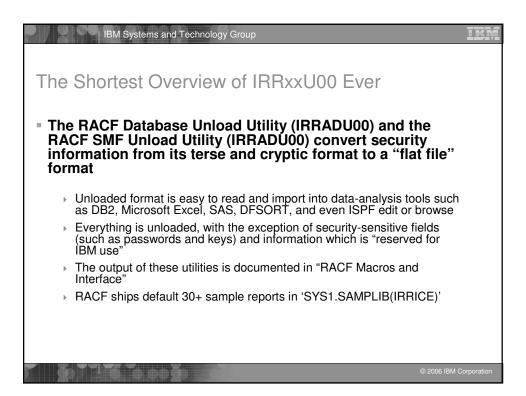
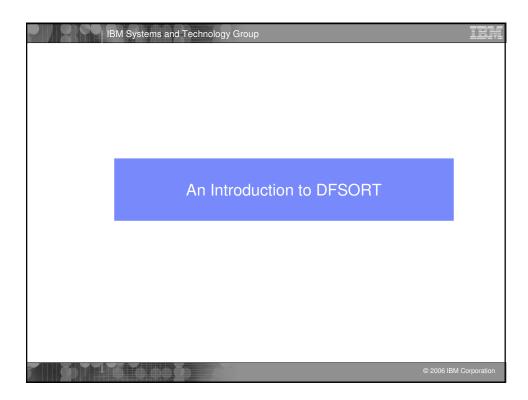


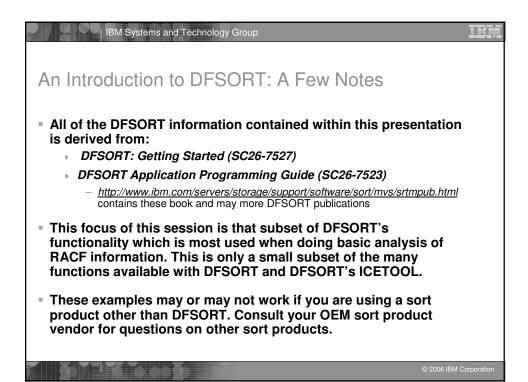
IBM Systems and Technology Group	
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DB2	
<ul> <li>▶ DFSORT</li> <li>▶ OS/390</li> </ul>	
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→ z/OS	
<ul> <li>CISSP is a registered certification mark of the International Info Systems Security Certification Consortium, Inc.</li> </ul>	rmation
<ul> <li>UNIX is a registered trademark of The Open Group in the United and other countries.</li> </ul>	l States
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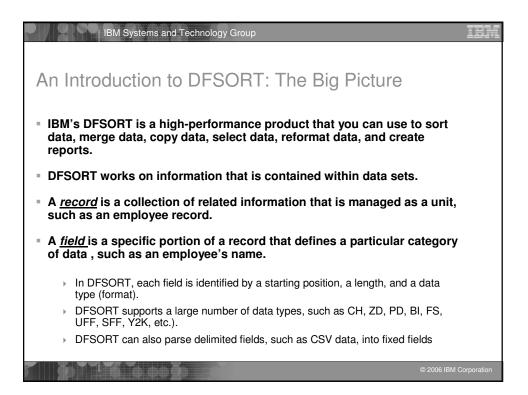


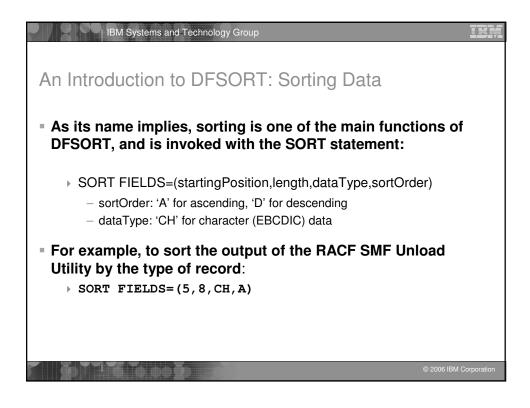


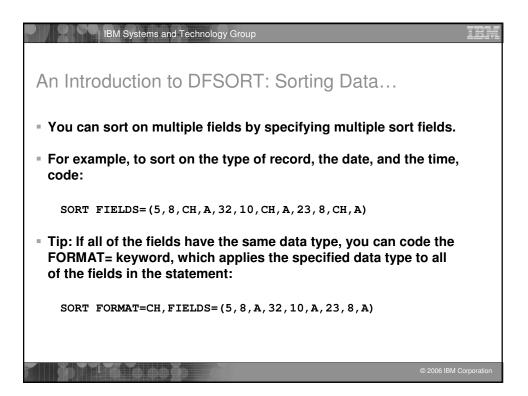


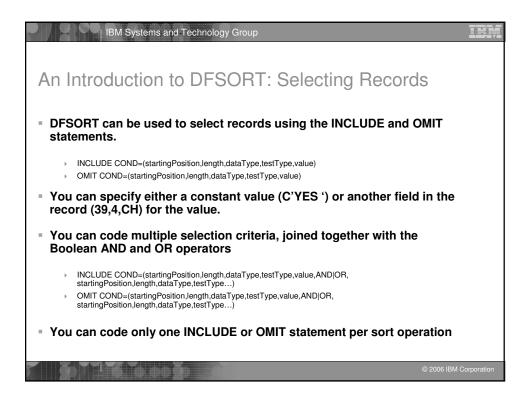


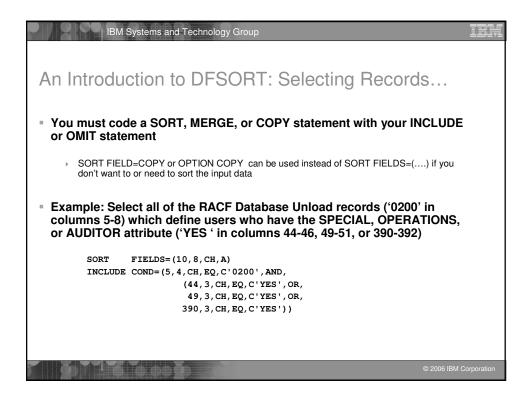


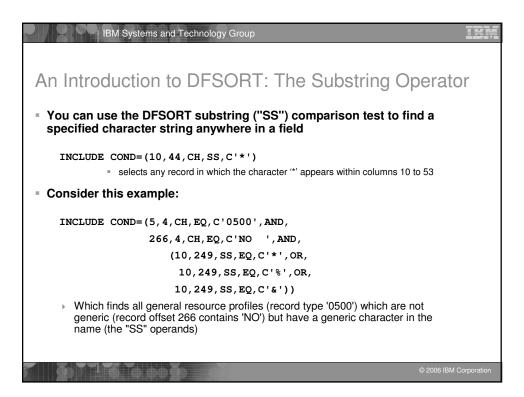


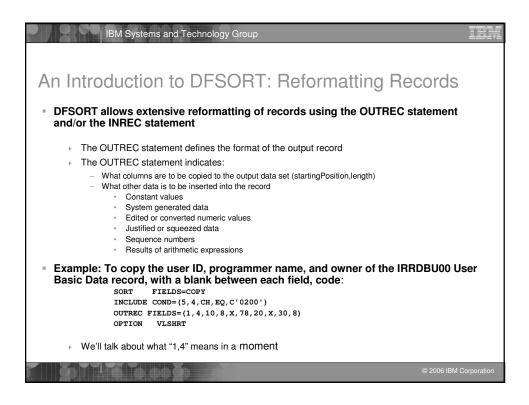


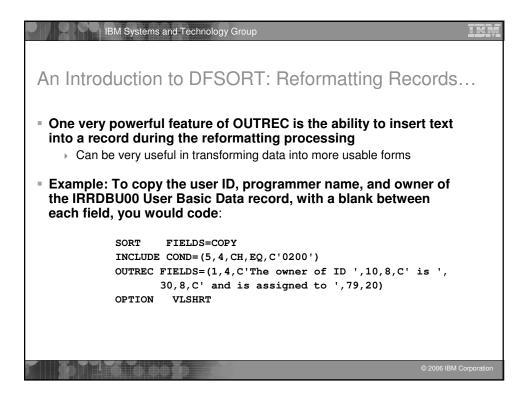




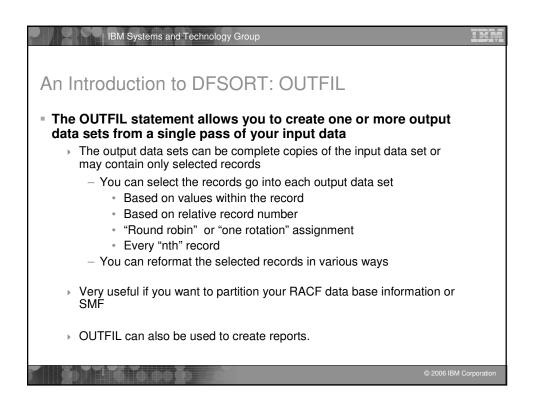


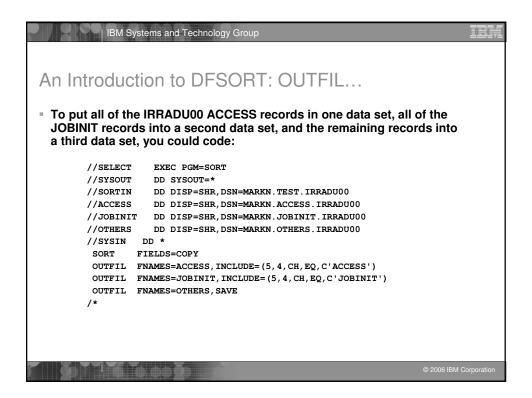


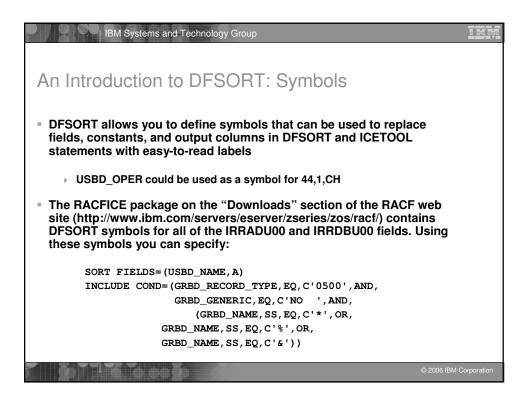


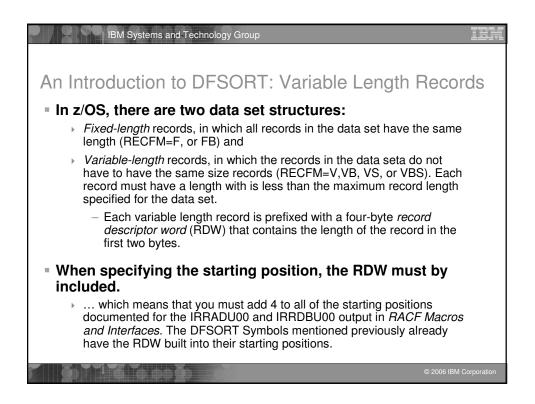


IBM Systems and Technology Group
An Introduction to DFSORT: Reformatting Records
The owner of ID AUDTR01 is MARKN and is assigned to EXTERNAL AUDITOR 01 The owner of ID AUDTR02 is MARKN and is assigned to EXTERNAL AUDITOR 02 The owner of ID A6 is MARKN and is assigned to ###################################
<ul> <li>Some other powerful features of OUTREC are the ability to:         <ul> <li>Reformat different records in different ways using IFTHEN clauses</li> <li>Overlay selected bytes of a record using OVERLAY fields</li> <li>Extract delimited fields (such as CSV) into fixed fields</li> <li>Justify and sqeeze data</li> </ul> </li> </ul>
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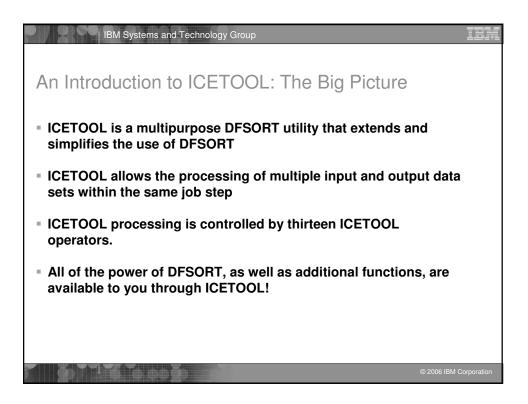




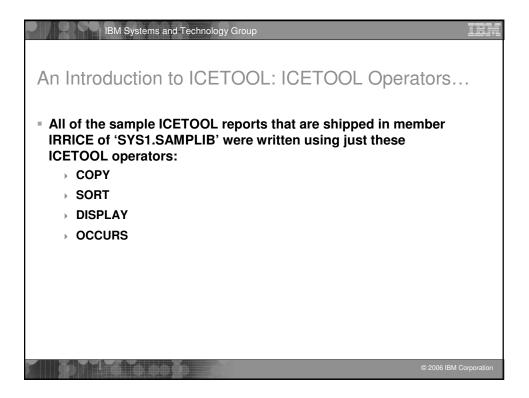


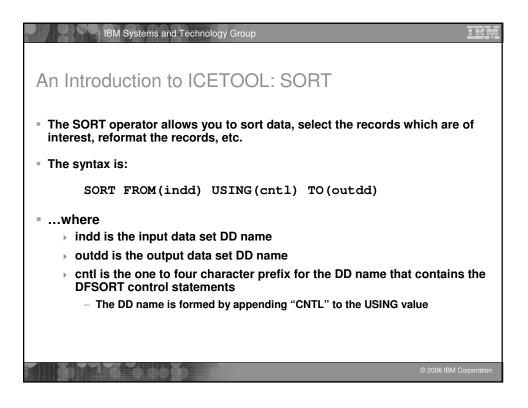


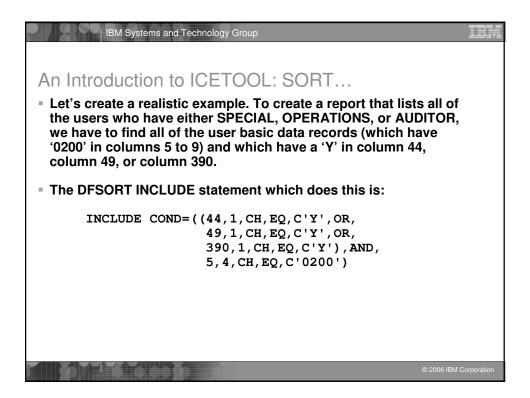


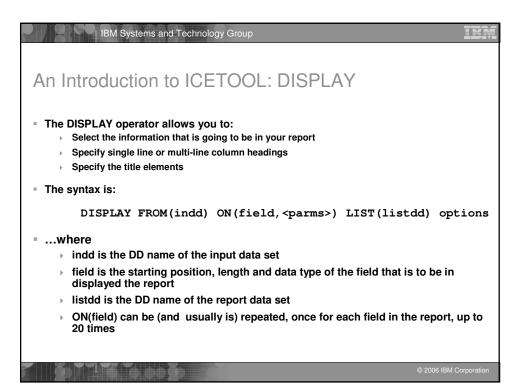


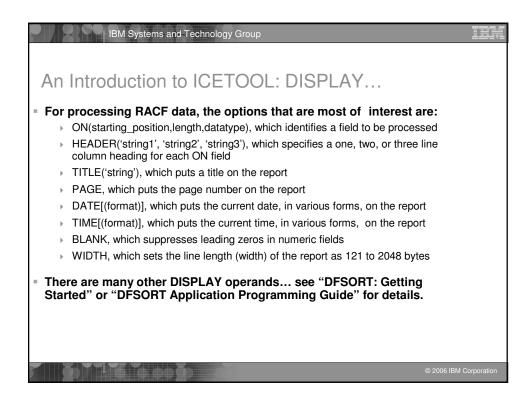
	IBM Systems and Technology Group	IBN
An Intro	oduction to ICETOOL: ICETOOL Operators	
ICETOOL Operator	Description	
COPY	Copies a data set to one or more output data sets.	
COUNT	Counts the records in a data set or sets a return code based on the count.	
DEFAULTS	Prints the DFSORT installation defaults.	
DISPLAY	Print fields values with titles, headings, sections, etc.	
MODE	Sets the ICETOOL error option: STOP, CONTINUE or SCAN. STOP is the default.	
OCCURS	Print field values and their counts with titles, headings, etc.	
RANGE	Prints the count of values in a specified range.	
SELECT	Selects records based on value counts.	
SORT	Sorts a data set to one or more output data sets.	
SPLICE	Performs various join and match operations.	
STATS	Prints minimum, maximum, total, and average values.	
UNIQUE	Prints a count of unique values.	
VERIFY	Identifies invalid decimal values.	
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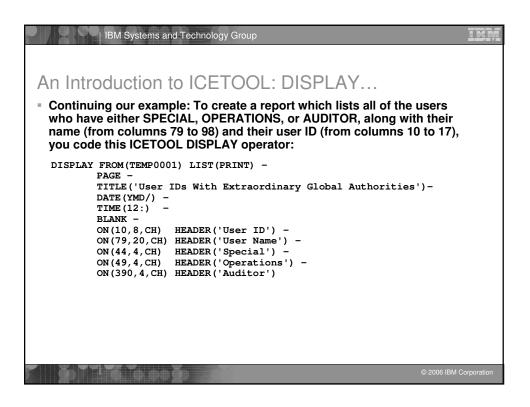






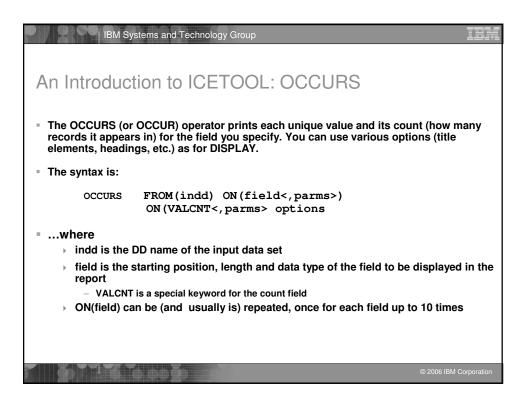


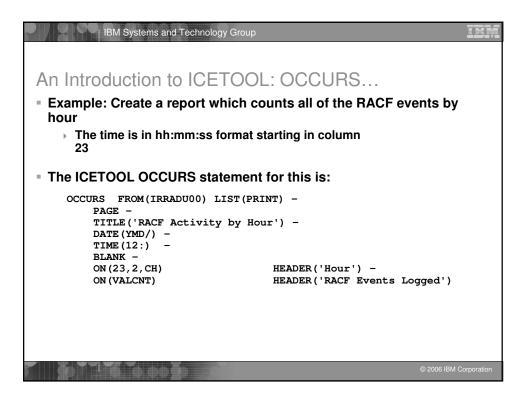




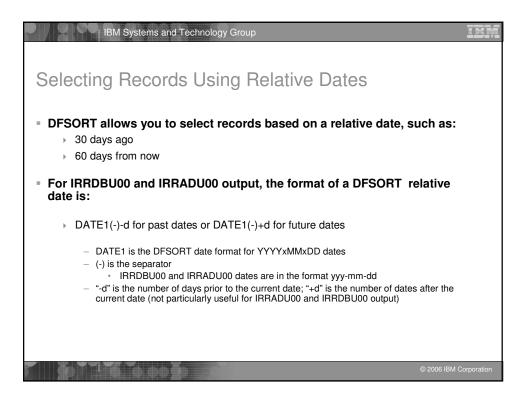
IBM Systems and Technology Group	IBA
An Introduction to ICETOOL: JCL	
<pre>//REPORT EXEC PGM=ICETOOL //TOOLMSG DD SYSOUT=* //DFNMSG DD SYSOUT=* //DFNMSG DD SYSOUT=* //DFNMSG DD DISP=(SHR, DELETE), DSN=USER01.IRRDBU00 //TEMP0001 DD DISP=(NEW, DELETE), SPACE=(CYL, (5,1,0)), UNIT=SYSALLDA //TENT DD SYSOUT=* //TOOLIN DD * SORT FROM(DBUDATA) TO(TEMP0001) USING(RACF) DISPLAY FROM(TEMP0001) LIST(PRINT) - PACE - TITLE('User IDs With Extraordinary Global Authorities') - DATE(MD/) - TIME(12:) - BLANK - ON(10,8,CH) HEADER('User ID') - ON(10,8,CH) HEADER('User Name') - ON(44,4,CH) HEADER('User Name') - ON(49,4,CH) HEADER('Auditor')</pre>	
/* //RACFCNTL DD * SORT FIELDS=(5,8,CH,A) INCLUDE COND=((44,1,CH,EQ,C'Y',OR, 49,1,CH,EQ,C'Y',OR, 390,1,CH,EQ,C'Y',OR, 5,4,CH,EQ,C'0200') /*	
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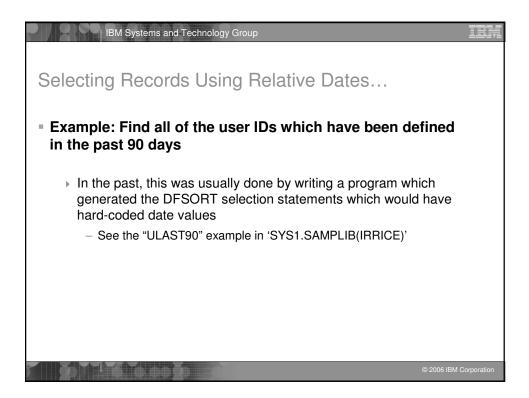
- 1 - User IDs With Extraordinary Global Authorities 05/01/19								
Jser ID	User Name	Special	Operations	Auditor				
AUDTR01 AUDTR02 FRED IBMUSER	EXTERNAL AUDITOR 01 EXTERNAL AUDITOR 02 FRED THE OPERATOR	 NO NO NO YES	 NO NO YES YES	 YES YES NO YES				
ARKN SYSPRG1	######################################	YES YES	YES NO	YES NO				





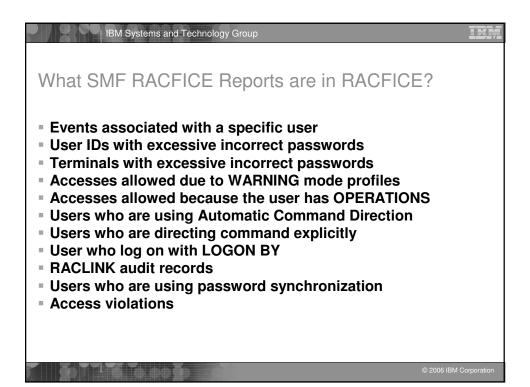
	IBM Systems and Technology	Group		IBM
Sam	ple RACFICE Repo	ort: OCCU	IRS Output	
- 1 -	RACF Activity by Hour	05/02/06	08:46:51 pm	
Hour	RACF Events Logged			
00	756			
01	160			
02	170			
03 04	214 220			
04 05	220			
05	206			
00	228			
08	320			
09	390			
10	398			
11	448			
12	378			
13	704			
14	1308			
15	762			
16	762			
17	516			
18 19	260 296			
20				
20	160			
				© 2006 IBM Corporation

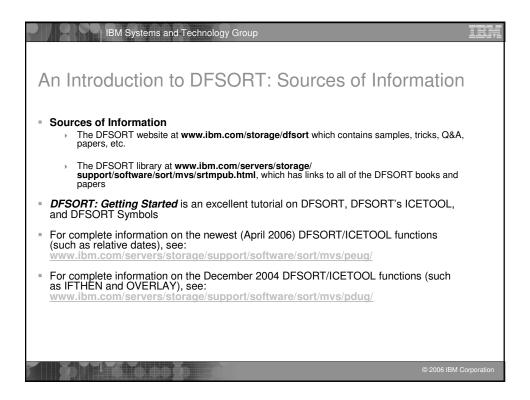


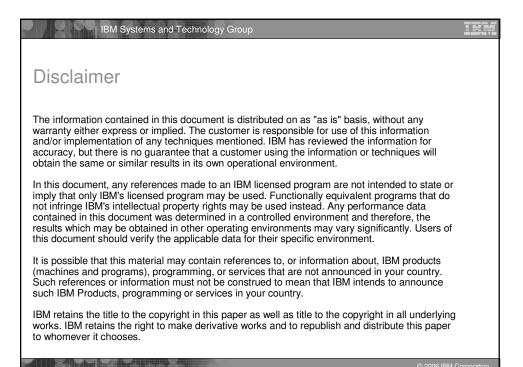


2//	IE	3M System	s and Tecl	hnology G	roup				IBN
Sel	lecting	Reco	ords l	Using	g Relat	ive D	ates		
= DF	19,10,	FIELDS= DE COND=(5 CH,GE,DAT	=COPY 5,4,CH,EQ, TE1(-)-90	,c'0200',	AND,				
= Οι	utput:								
	Jtput: 1- 1 - Date	UL90: User User ID	r IDs defin Owner	ed in the p Special	past 90 days Operations	06/0 Auditor	05/25 Last Date	06:30:06 pm Last Time	
	1- 1 - Date 	User ID  MARKN OMVSKERN					Last Date  2006-05-25	Last Time	
	Date 2006-05-25 2006-03-28	User ID  MARKN OMVSKERN	Owner  IBMUSER IBMUSER	Special  YES NO	Operations  YES NO	Auditor  YES NO	Last Date  2006-05-25 2006-03-28	Last Time  15:13:58	

IBM Systems and Technology Group	IBM
What RACF DB Reports Are in RACFICE?	
<ul> <li>Users who have extraordinary global/group RACF attributes</li> <li>Discrete data set/general resource profiles which contain generic characters</li> </ul>	
<ul> <li>Users who have more than 20 group connections</li> <li>Count of user/group/data set/general resource (by class) profiles</li> <li>User IDs with group privileges above USE</li> <li>Data set standard and general resources with a UACC of other than NONE</li> </ul>	
<ul> <li>Data set standard and conditional access lists with ID(*) of other than NONE</li> <li>General resource standard and conditional access lists with ID(*) of other than NONE</li> </ul>	
<ul> <li>Users who have explicit RRSF associations defined</li> <li>User IDs with an OMVS segment</li> <li>OS/390 UNIX super users (UID of zero)</li> </ul>	
<ul> <li>OS/390 UNIX UIDs which are used more than once</li> <li>HLQs with excessive generic profiles</li> <li>HLQs with excessive fully-qualified generic profiles</li> </ul>	
User profiles defined in the past 90 days     O 2006 IBM	Corporation







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