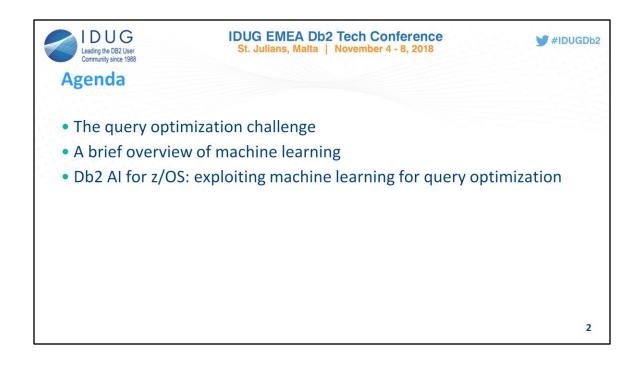
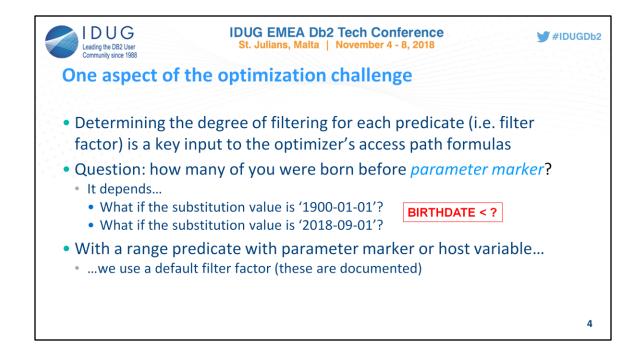
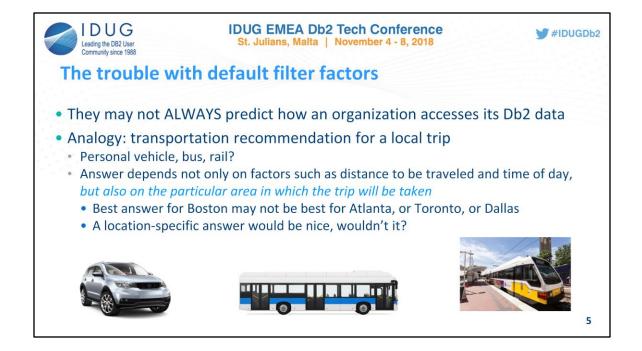


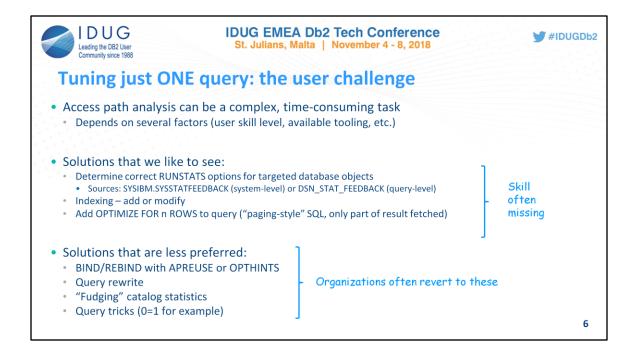
How many people are on V11 now? V12?



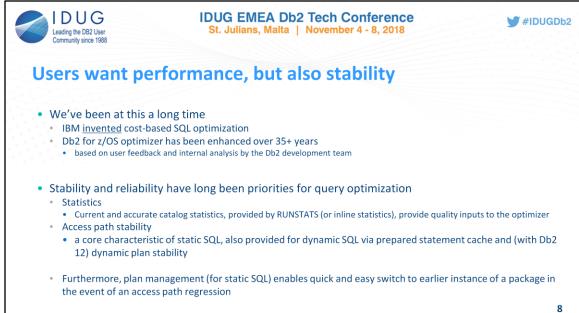








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Large-scale REB	IND can present another chal	llenge for users
	0000 static packages using APCOMPARE(Db2 version, or applying maintenance	(WARN)
 Review changes in REN Do access paths look) have access path differences, how do yo ARKS column of PLAN_TABLE if REBIND execute better (e.g., increase in MATCHCOLS)? Any red boks OK, go with new instance of package	ed with EXPLAIN(YES)
	I to revert to previous instance of package? e use of an alternate access path?	Approaches most commonly taken
• What if access path ch	ange validation work has to be done for <u>s</u>	several hundred packages? 7



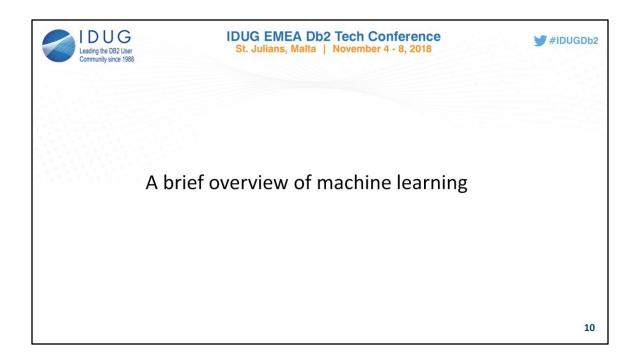


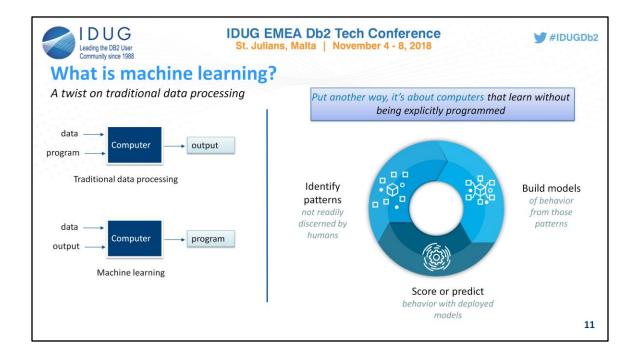
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Optimizer development is guided by a twofold objective

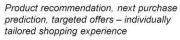
Deliver new access path choices that enhance performance and stability...

...without compromising the quality and stability of existing access path choices #IDUGDb2





IDUG IDUG EMEA Db2 Tech Conference #IDUGDb2 Leading the DB2 User Community since 1988 St. Julians, Malta | November 4 - 8, 2018 Organizations can exploit machine learning technology Churn analysis helps identify cause of churn and facilitates implementation of effective retention strategies Machine learning... Constantly learns and adapts Detect and understand life-threatening medical conditions and design more Avoids making the same mistakes effective treatment programs Provides faster, deeper, improved insights • Resulting in... Learn, predict weather patterns and energy production from renewable sources More-favorable business outcomes ~





Identify suspicious behavior, predict and prevent threats / fraud - continually reduce business risks and costs

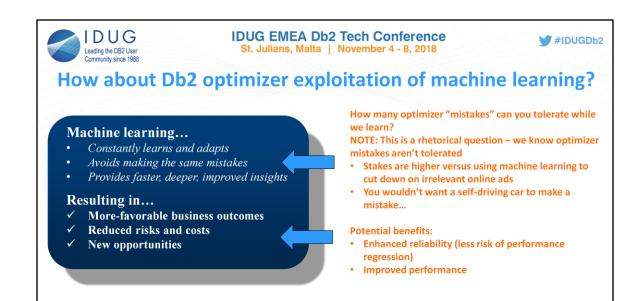
and integrate into grid more effectively

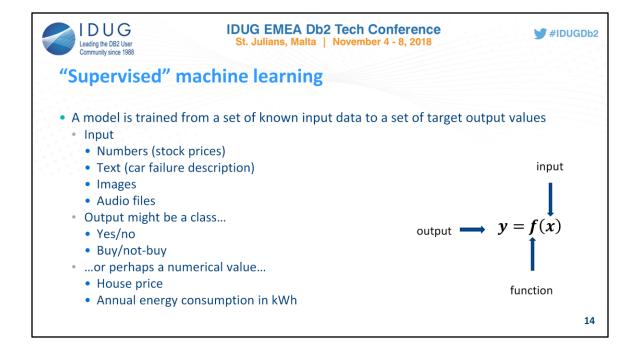
12

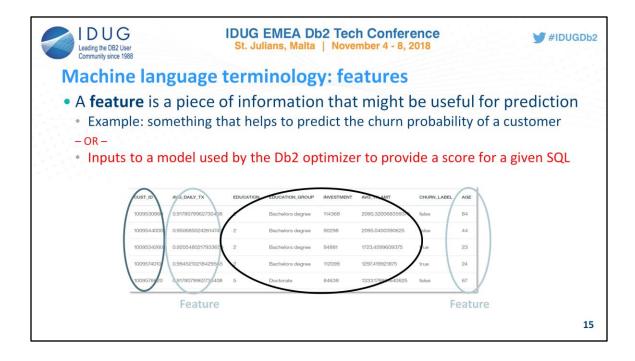
Reduced risks and costs New opportunities

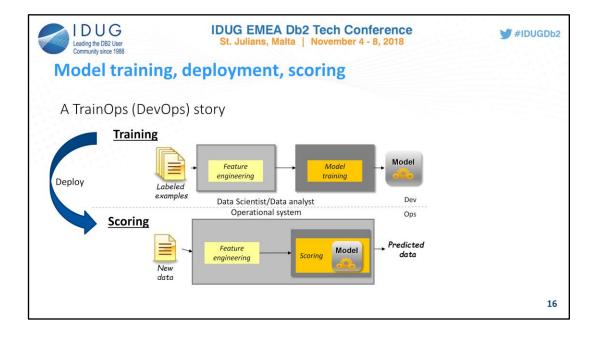
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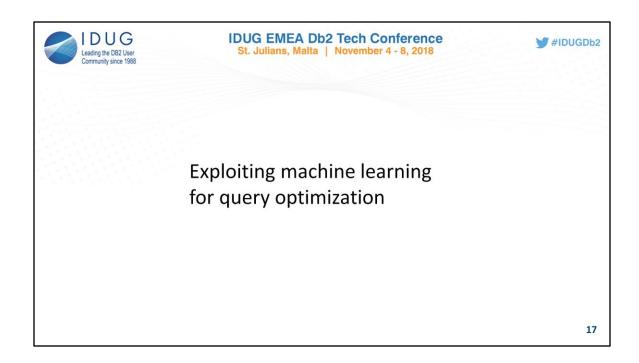


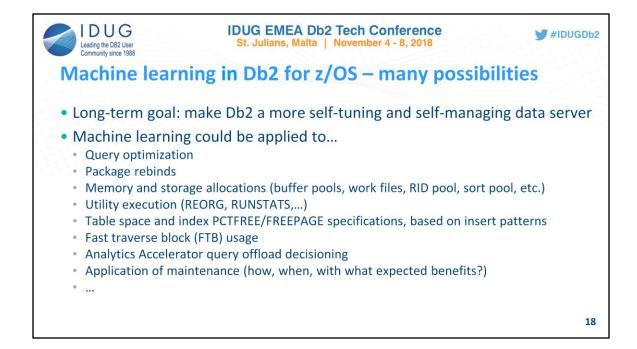


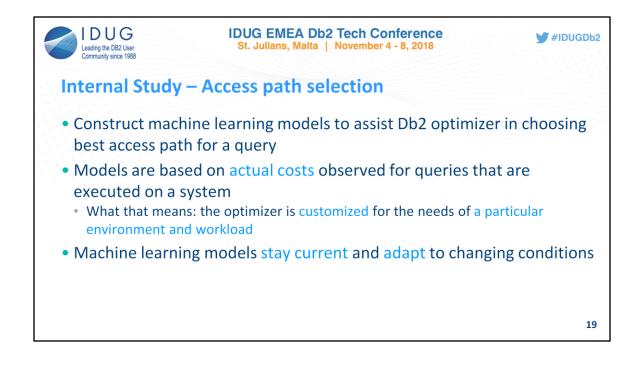


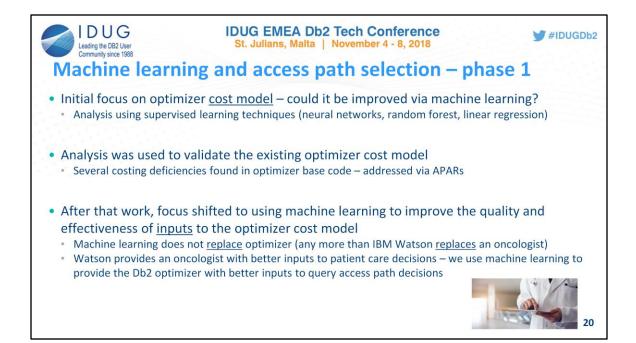


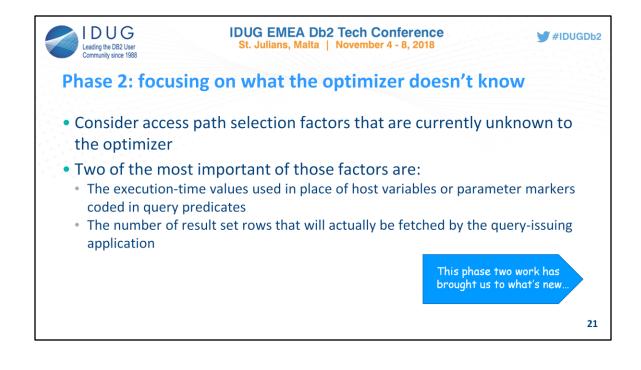












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New offering: IBM Db2 AI for z/OS (Db2ZAI)				
Db2ZAI enables the Db2 optimizer to determine the best-performing query access paths based on your workload characteristics, using machine learning				
 unique operating environ optimal access paths for Built on top of the IBM N Leverages MLz service 	Machine Learning for z/OS (MLz) stack s without requiring data scientist support – Db2 ing data, deploys and monitors and retrains models	Db2		
		22		

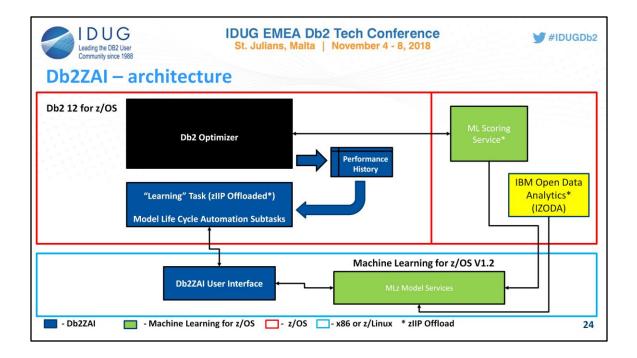


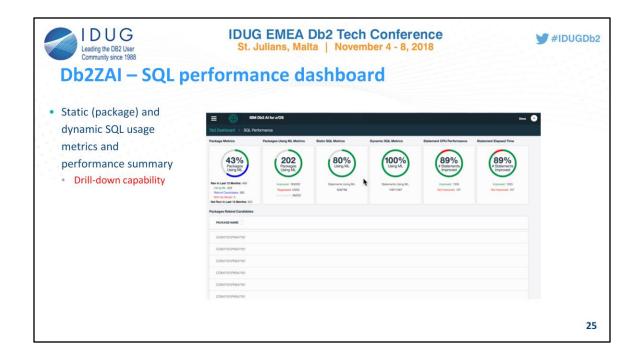
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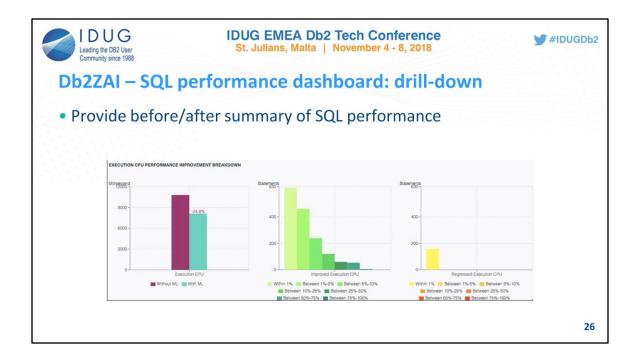


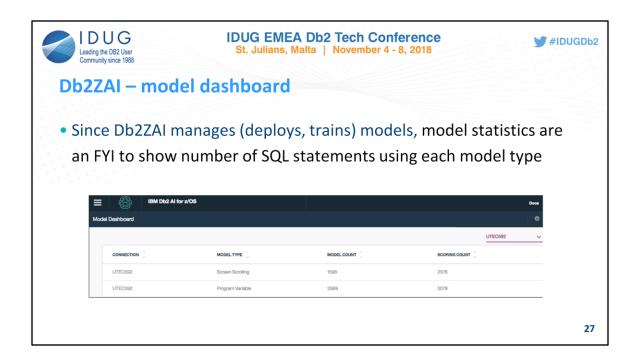
Db2ZAI – prerequisites

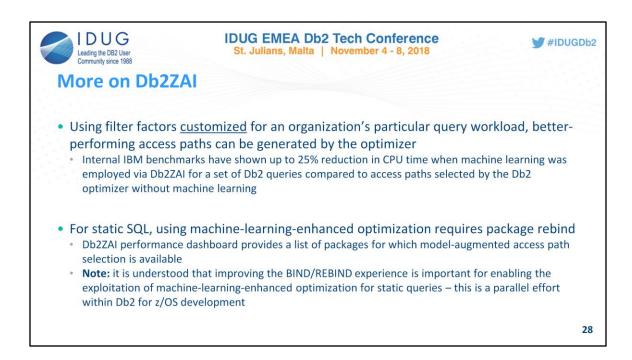
- Db2 12 for z/OS, with function level V12R1M503 (or later) activated (M503 functionality is provided via APAR PH00506)
- IBM Machine Learning for z/OS, V1.2 (5698-ML1)
 - With MLz APARs PI99400, PI99401, and PH02006 plus MLz 1.2.0.1 Linux packages
 - MLz uses IBM Open Data Analytics for z/OS (5655-OD1)

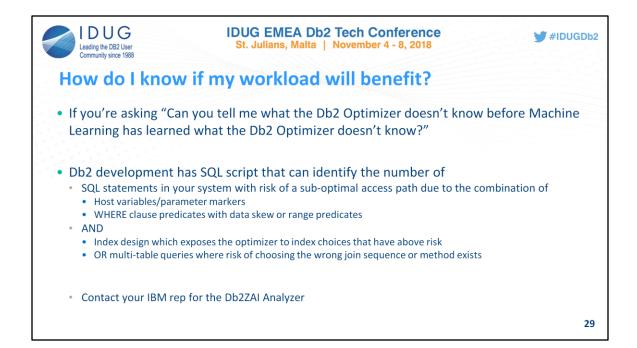














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Where to find I	Where to find more information on Db2ZAI				
• The announcem https://www-01.ibm.co 341/index.html&reque	pm/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/1/897/E	NUS218-			
The IBM Knowle <u>https://www.ibm.com/</u>	edge Center: support/knowledgecenter/SSGKMA_1.1.0/src/ai/ai_home.html				
Overview video <u>https://www.youtube.c</u>	com/watch?v=t5fTNxfehQA				
		31			

