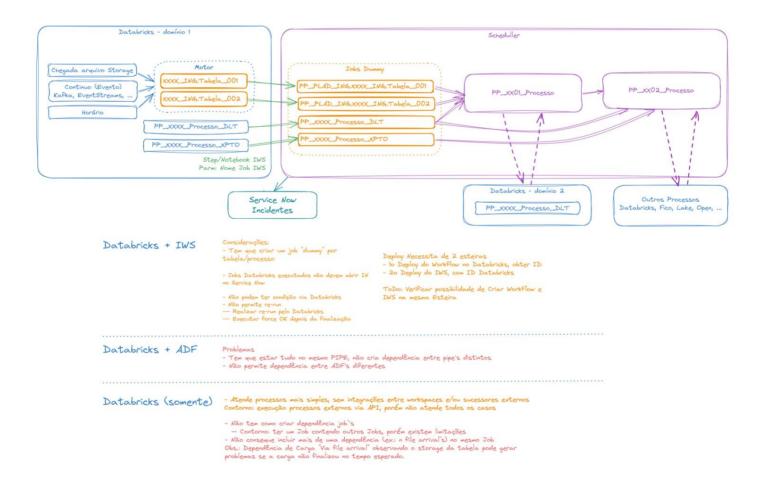
Below is a list of process scenarios involving Databricks that require Support and Monitoring.

DLT (Delta Live Tables) Processes	
of Storage Account & Volume file 3 Proc	cess start after loading
Tables	. 4 View Steps,
Logs,	5 Restart of
Jobs	
Model Serving	
Links	



DLT Processes (Delta Live Tables)

DLT are automatic processes created in Databricks to load tables via streaming, chaining the other processes (pipeline)

Can be •

Continuous or •

Triggered - Storage Gen2 File Reception

- Triggered Receiving Volumes Files
- Triggered Load Databricks Tables

Served by IWS? How?

Vorkflows > Delta Live Tables >		
Create pipeline		
General	* Pipeline name	
	Product edition	
	Advanced	~
	Help me choose 🖸 Pipeline mode 🛈	
	• Triggered O Continuous	

Configure pipeline settings for Delta Live Tables - Azure Databricks | Microsoft Learn

Start of process after arrival of Storage Account & Volume file

Processes started upon arrival of Storage Account v2 files

Processes started upon arrival of Volume files (managed or not)

Served by IWS? How?

	Descriptio	n 🖂
uns Tasks	Lineage (
		Le
	Schedules & Triggers ×	es & Trig
	Trigger Status	
	• Active	:r
	O Paused	meters
	Trigger type	neters are de
	File arrival ~	neters
	This job does not have any failure notifications. Consider adding email or webhook notifications to alert if trigger evaluation fails.	fications
	File arrival triggers monitor cloud storage paths of up to 10,000 files for new files. These paths are either Unity Catalog volumes or external	ons
Туре*	locations managed through Unity Catalog.	ations
Source* ^①	Storage location ①	esholds (i)
Path* 🛈	e.g. '/Volumes/mycatalog/myschema/myvolume/path_within_volume/' or 'abfss://filesystem@accountname.dfs.core.windows.net/path/'	is defined
	Advanced V	on threshold:
Cluster* 🛈		
Dependent libraries	Test connection Cancel Save	ons
Parameters 🛈		

Process start after loading Tables

Processes started after loading a table into Databricks

Served by IWS? How?

Microsoft Azure 🛛 🎯 data	bricks			dbwazuprbraexplor002 v 🛛 🔶 💽
① New	Workflows > Jobs >			
Workspace	PP_AAES_FinOps_Ratei	o_Diaria ☆		Run now 🗸
③ Recents	Runs Tasks		b	
A Catalog			dol ()	details
Se Workflows	Cealin		Job ID	816556308857791
Compute	Country Countr		Creato	ANDRE DE ANDRADE FERREIRA
SOL	Schedul	es & Triggers		X 🕹 ANDRE DE ANDRADE FERREIRA 🖉
SQL Editor	1A	c		Add tag
Dashboards	Trigger Statu:	-		Add description
📑 Genie	Onaber O Paused			28 upstream tables, 21 downstream tables
. Alerts	Trigger type			
Query History	Scheduled	~		
G SQL Warehouses	✓ Schedu	iled		ed
Data Engineering	File arr	ival		ttings
르 Job Runs	Task name* ①	pdate		
🕅 Data Ingestion	Type* Contin	uous ①		es & Triggers
🐁 Delta Live Tables	Source* () 0 0 11 ? * N	10N-FRI	(UTC-03:00) Brasilia	Monday through Friday (UTC-03:00 — Brasilia)
Machine Learning	Path* ⁽¹⁾ Show cro	n syntax		Pause Delete
르 Experiments	Cluster* ①		Cancel Save	9
라 Features ss Models	Depends on	calcular_batas_Processamento X		Standard_D4s_v5 · Workers: Standard_D4s_v5 · 1 worker ·
Serving	Run if dependencies ①	All succeeded	×	ool - DBR: 14.3 LTS (includes Apache Spark 3.5.0, Scala 2.12)
ASS GEERANDE	Dependent libraries	+ Add	Con	figure Swap
	Parameters 🛈		dol <> NOST IU	parameters 🛈
🕾 Marketplace		+ Add	No jot	parameters are defined for this job
27 Partner Connect	Notifications ⁽¹⁾	+ Add		parameters
🕒 Collapse menu			Cancel Save task Q Job	notifications [©]

View Steps, Logs, ...

View Databricks Workflow Steps • Metrics • Logs

- Execution
- times

Served by IWS? How?

Ex.: Job with 17 tasks (notebooks)

According to HCL Documentation , IWS does not run Notebooks, only Jobs

Microsoft Azure 😂 data	sbricks	Q Search data, notebooks, recents, and more	CTRL + P	dbwazuprbraexplor002 ~	* 🚯
New Workspace	Workflows > Jobs > PP_AAES_FinOps_Ratelo_Diana > PP_AAES_FinOps_Rateio_Diaria run			Delete job rum Rep	air run
Recents Actalog Vorkillows Vorkillows Compute	Grgh Timeloe			Job run details Hote add part Ada ID 21555000057721 Total add part Job run ID 15569595131222 Total add part Jac run ID 15569595131222 Total add part Started 00/19/2024 Total add part Duration CO 28m 544 Duration CO Started Quive distance 24m 544 Duration CO Started Duration CO 28m 544 Duration CO Started Datasting CO 28 spatiant tables, 21 downthream tables 24 spatiant tables, 21 downthream tables	3
Das Engineering E Joh Nam D Data Ingestion D Data Ingestion Muchine Learning D Playground Falleres Muchine Learning Models C Serving				Compute Ado, datar Mer. Standard, Data, 5-1 worker - from pro Diffs: HA1 35 Forcidere Alarche Spark 13.0 Scala 21.75 Wew details: Spark U. Loope: Metrices	501 -
(1) Marketplace 23 Partner Connect IE Collapse menu				Q C + -	

Job Restart

Restart processes from the Step with error/problem, without processing steps without error

Served by IWS? How?

Example, in the case below, if Repair Run is executed, only the process with error will be re-executed.

Microsoft Azure 😂 data	bricks	Q Search data, notebooks, recents, and more	CTRL + P		dbwazudvplatfun001 v 💠 🕢
New Workspace Securit	Workflows > Jobs > Clone of PP_PLAD_NR_IGTAO_F	LATFUN_CONFLUENT_AXWAY_C > LATFUN_CONFLUENT_AXWAY_C run			Delete job run Repair run
 Recents Catalog Workflows Compute SQL SQL Editor Queries Dashboards Alerts Query History SQL Warehouses Data Engineering Data Ingestion Data Ingestion Data Ingestion Deta Live Tables 	Graph Timeline	PLAD_IGTAO_INVGUA Ø Succeeded · 7m 338 Python file atams/exec_ingestion.py glad-duster-001 PLAD_IGTAO_PDINFINREL Ø Succeeded · 6m 5s Python file atams/exec_ingestion.py glad-duster-001 PLAD_IGTAO_PLATFUN Ø Succeeded · 6m 53s Python file atams/exec_ingestion.py glad-duster-001	» ۵ ه	Job run ID Launched Started Ended Duration ① Queue duration ① Status Lineage ①	447692365598084 [P] 979974733303869 [P] Manually 06/21/2024, 11:23:49 AM 06/21/2024, 11:31:22 AM 7m 34s - © Failed 0 upstream tables, 4 downstream tables
습 Playground 표 Experiments 과 Features 않 Models & Serving		PLAD_IGTAO_TRANSC Failed · 7m 11s Python file atams/exec_ingestion.py R plad-duster-001	Q 11 +		

Model Serving

Monitoring of models served via API endpoint. If unavailability occurs, the metrics and logs in Databricks must be checked.

Served by IWS? How?

🛞 🔞 🗖 🛝 Private Link Co x 🖷 Anotaçõesdo: x 🖗 Run of Task_e: x 👄 Resultados de x 🕆 Links - ID - Int: x 💠 LEAP - Infrae:: x 🏟 teste-dings - S x 🚳 Run of SCIM o x 🕲 azure databric x 🗮 Configure pip: x + O X						
← C 🙆 https://a	db-4652803414446807.7.azuredatabricks.net/ml/endpoints/teste			A 🗘 G D & G 👁 🖬		
🛞 🥼 👠 🕫 10 🔗 Links 🔗 👞 🧤 💩 👬 WorkshopAKG12024 🐨 Anstações.do a: 🚵 Diversos 🔅 Microsoft Tiams 🚀 Power Bl 🚀 Power Bl 🚀 Power Bl 🖉 Diversoft Tiams (^						
Microsoft Azure 😂 data	bricks	Q Search data, notebooks, recents, and more	CTRL + P	dbwazudvbraplatfun002 ~ 💠 🐧		
New Norkspace Norkspace Recents Catalog Worktlows Compute	Serving endpoints > teste-dmps Serving endpoint state: @ Ready Created by: nilo.martin@bradesco.com.br URL: https://adb-4652803414446907.7.azuredatabricks.net/serving Tags: @ Active configuration		Inference table: Not enabled Route optimization: Not enabled	Edit Stop Query		
 SQL Editor Queries Dashboards 	Entity	Version Name	State Compute	Traffic (%)		
ධ Alerts	dv_platfun.d4852s031_mlops.expresso_pf_nrt_dummy_mode	el Version 1 expresso_pf_nrt_dummy_model-1	Ready (Scaled to zero) CPU, Small 0-4 concurrence	y (0-4 DBU) 100		
 Query History SQL Warehouses 	Metrics Events Logs					
Data Engineering ≟⊒ Job Runs	All served entities		 2024/08/19 16:19 → 2024/08/19 17:19 	1		
Data Ingestion			o			
🖞 Delta Live Tables	Latency (ms)		est rate (per second)	1		
Machine Learning	3.00	3.00				
් Features ශී Models	2.00	2.00				
Serving						
	0.00	1.00				
Marketplace	16:20 16:30 16:40 16:5 Aug 19, 2024	0 17:00 17:10 16	20 16:30 16:40 16:50 17:00 9, 2024	17:10		
은 Partner Connect	p50 - expresso_pf_nrt_dummy_model-1	p99 - expresso_pf_nrt_dummy_model-1	QPS - expresso_pf_nrt_dummy_mod	el-1		
🕒 Collapse menu	Request error rates (per second) 4.00	CPU L 3.00%	Jsage (%)			

Model service with Azure Databricks – Azure Databricks | Microsoft Learn

Machine Translated by Google

Links

Automation Hub!

HCL (IWS) – Azure Databricks integration

Azure Blob and Data Lake Storage Integration

• Only Upload or Download file from Azure Blob and Data Lake Storage.

Submitting jobs by using Azure Databricks Plugin with Workload Automation (hcl-software.com)