

PostgreSQL Storage Types

Last updated by | Lisa Liu | Nov 6, 2020 at 10:34 AM PST

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Friday, August 23, 2019
12:33 PM

1. Now “Server Information” view shows different rows for XIO/PFS. Only XIO server would show storage_account_name and storage_tier, IOPS, MBPS, and only PFS server would show premium_file_share_name, premium_file_share_quota_in_mb.

XIO:

storage_account_name	wasd2orcasscus1cpbe2
storage_tier, IOPS, MBPS	P30, 5000, 200
storage_limit_in_mb	1024000

PFS:

premium_file_share_storage_account_name	wasd2prodweu1apfse448
premium_file_share_name	0c2e9737c0da4852a2e93bdc4b8db95d
premium_file_share_quota_in_mb	307200
storage_limit_in_mb	102400

2. Added Replicas view to show (fabric) replica information.

Replicas						
node_name	replica_role_desc	replica_status_desc	replica_health_state_desc	partition_id	physical_instance_name	tenant_ring_name
DB.5	PRIMARY	READY	OK	db3a278a-f871-47b0-baa9-6409bf4cf113	d427b7364063	tr1.southcentralus1-c.worker.orcasql-scus1-c.r

When you click the row in this view, following views would connect to SBS pipeline to retrieve information.

3. Added SBS Files Stat view to show SBS storage usage and SBS file system usage:

SBS Files Stat	
name	value
database_name	SBS
database_size	2072576.00 MB
unallocated_space	1023736.24 MB
reserved	270088 KB
data	85088 KB
index_size	73040 KB
unused	111960 KB
unused_sbs_file_pages	72656 KB
unused_sbs_other_pages	39304 KB
sbs_file_count	1603
sbs_total_file_size	458.34MB

4. Added SQL Files List to show usage of each database file:

XIO:

SQL Files List					
File Name	Physical Name	Total Size in MB	Available Space in MB	Available Percentage	file
sbs	https://wasd2orcasscus1cpbe2.blob.core.windows.net/elasticserver-302e2514-77eb-4c8a-a04f-58c2889185e8/sbs.mdf	1024000.00	1023646.19	99.97%	
sbs_log	https://wasd2orcasscus1cpbe2.blob.core.windows.net/elasticserver-302e2514-77eb-4c8a-a04f-58c2889185e8/sbs_log.ldf	1048576.00	1040812.55	99.26%	

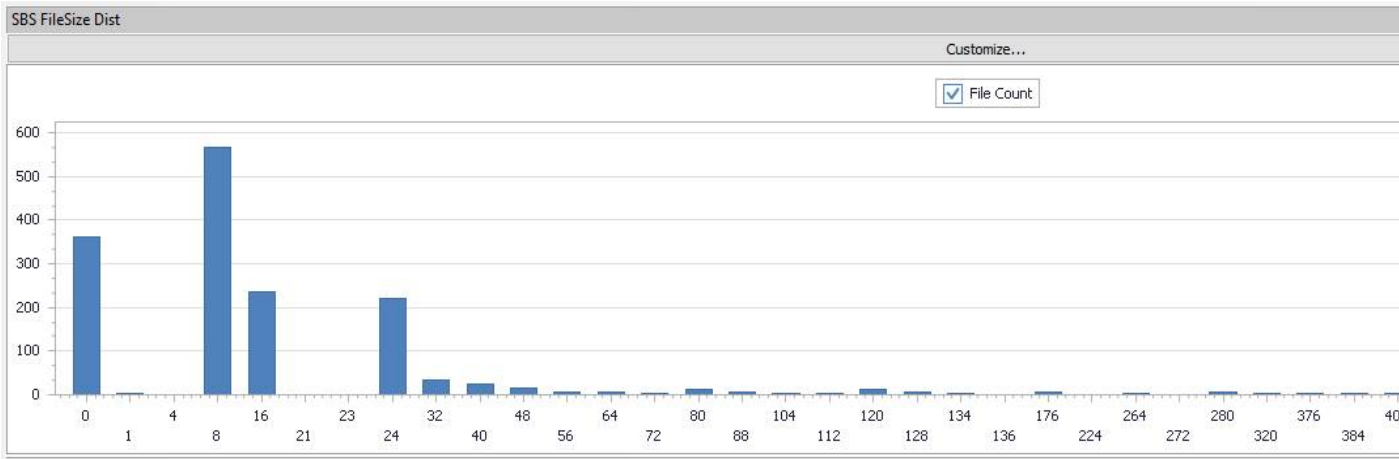
PFS:

SQL Files List							
File Name	Physical Name	Total Size in MB	Available Space in MB	Available Percentage	file_id	Filegroup Name	
sbs	C:\FileShareDir\SBS\sbs.mdf	328.00	0.00	0.00%	1	PRIMARY	
sbslog	C:\FileShareDir\SBS\sbs_log.ldf	520.00	515.59	99.15%	2		
sbs1	C:\FileShareDir\SBS\sbs1.ndf	264.00	0.00	0.00%	3	PRIMARY	
sbs2	C:\FileShareDir\SBS\sbs2.ndf	264.00	0.00	0.00%	4	PRIMARY	
sbs3	C:\FileShareDir\SBS\sbs3.ndf	264.00	0.00	0.00%	5	PRIMARY	
sbs4	C:\FileShareDir\SBS\sbs4.ndf	264.00	0.00	0.00%	6	PRIMARY	
sbs5	C:\FileShareDir\SBS\sbs5.ndf	264.00	0.00	0.00%	7	PRIMARY	
sbs6	C:\FileShareDir\SBS\sbs6.ndf	264.00	0.00	0.00%	8	PRIMARY	
sbs7	C:\FileShareDir\SBS\sbs7.ndf	264.00	0.00	0.00%	9	PRIMARY	
sbs8	C:\FileShareDir\SBS\sbs8.ndf	264.00	0.00	0.00%	10	PRIMARY	
sbs9	C:\FileShareDir\SBS\sbs9.ndf	264.00	0.00	0.00%	11	PRIMARY	
sbs10	C:\FileShareDir\SBS\sbs10.ndf	328.00	33.44	10.20%	12	PRIMARY	
sbs11	C:\FileShareDir\SBS\sbs11.ndf	328.00	0.00	0.00%	13	PRIMARY	
sbs12	C:\FileShareDir\SBS\sbs12.ndf	328.00	0.00	0.00%	14	PRIMARY	

5. Added SBS Files List. The advantage compared with sys.sbs_nso_table is that this view show the FULL path rather than only filename, and it provides the detailed usage of p

SBS Files List								
name	file_id	file_size	object_name	object_id	rows	type_desc	total_pages	
/pgdata	c45d05e3-0bed-4124-8d63-76f54ea8e675							
/pgdata/pg_tbsp	350d15d8-51ac-4107-98d5-11890da8a06f							
/pgdata/postmaster.opts	020cc782-2e63-4313-a940-169d9fecda81	0.18KB	sbs_file_table_{020CC782-2E63-4313-A940-169D9FECDA81}	1890821798	1	IN_ROW_DATA	9	
/pgdata/postmaster.opts	020cc782-2e63-4313-a940-169d9fecda81	0.18KB	sbs_file_table_{020CC782-2E63-4313-A940-169D9FECDA81}	1890821798	1	LOB_DATA	0	
/pgdata/postmaster.opts	020cc782-2e63-4313-a940-169d9fecda81	0.18KB	sbs_file_table_{020CC782-2E63-4313-A940-169D9FECDA81}	1890821798	1	ROW_OVERFLOW_DATA	0	
/pgdata/pg_replslot	7cb4e968-7834-4406-a6ef-25829dbbd99c							
/pgdata/pg_logical	66a726ab-2429-41ae-a74a-32fa7a761e31							
/pgdata/postgresql.conf	b0abe98a-98a9-430a-b998-426065d677fd	23.01KB	sbs_file_table_{B0ABE98A-98A9-430A-B998-426065D677FD}	1653580929	3	IN_ROW_DATA	9	
/pgdata/postgresql.conf	b0abe98a-98a9-430a-b998-426065d677fd	23.01KB	sbs_file_table_{B0ABE98A-98A9-430A-B998-426065D677FD}	1653580929	3	LOB_DATA	0	
/pgdata/postgresql.conf	b0abe98a-98a9-430a-b998-426065d677fd	23.01KB	sbs_file_table_{B0ABE98A-98A9-430A-B998-426065D677FD}	1653580929	3	ROW_OVERFLOW_DATA	0	

6. Added SBS FileSize Dist view to show the distribution of SBS file sizes.



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