HERDING DATA TO THE CLOUD

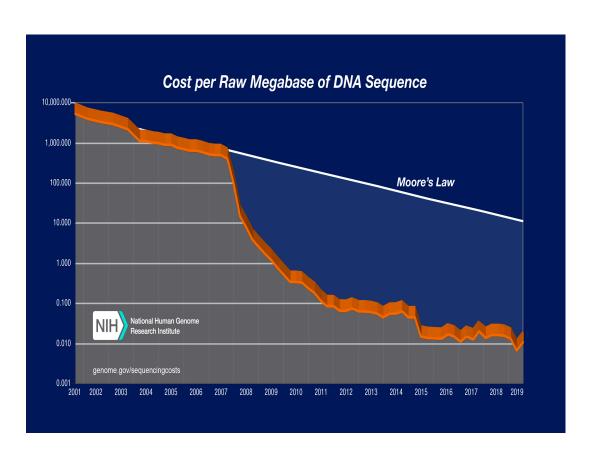
Eli Lilly & Co -- Presented by Patty Bragger-Wilkinson 27-March-2020 IndyCloudConf

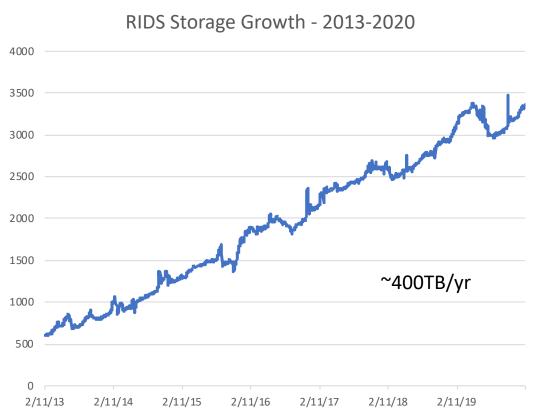


Introduction

- Research Information and Data Solutions
- Overview of the environment
- Problem/opportunity

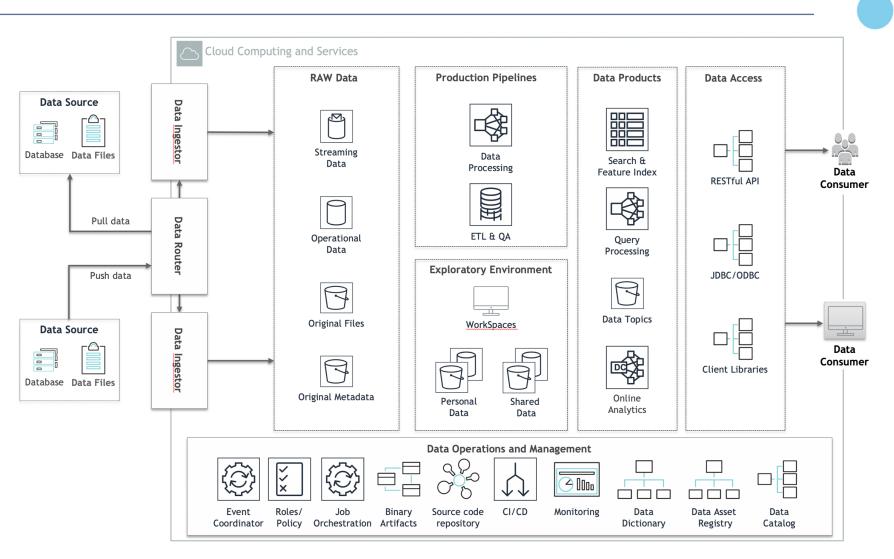






Making the New Data FAIR

- Findable
- Accessible
- Interoperable
- Reproducible

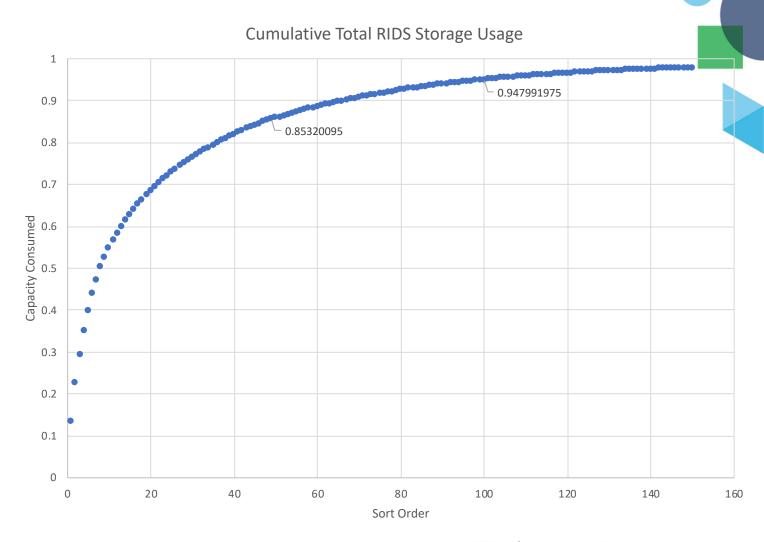


Handling Legacy Data

- Costly accumulation
- Fragile, historic paths
- Many unknowns



- Long Tail of Usage
- **Top 50** 85.3% of capacity
- **Top 100** 94.8% of capacity
- 1,500+ total user/app IDs





- Lots of cold data
- Columns = access time buckets (e.g., "Previous Years: > 3" = file hasn't been accessed in >3 years)
- **Rows** = individual filesystems

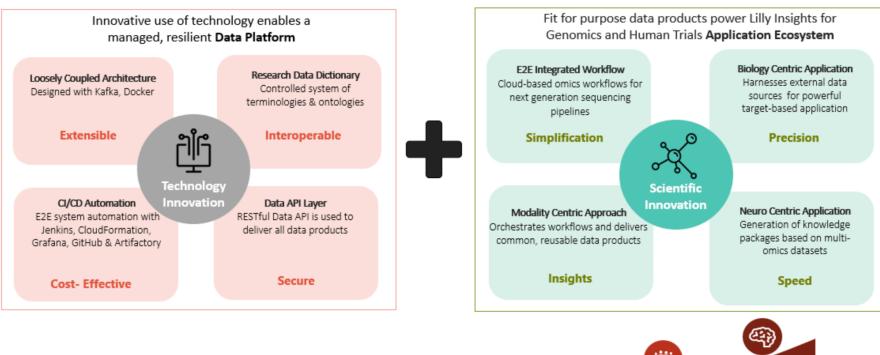
Data represented in GB

count v user v group v uid v gid v size physical (GiB) v mtime v size logical (GiB) v cost v atime v										
volume										
d əlu iluips			0.02	0.15	22.06	77.58	61.87	9.65	19.10	190.
plululus			1,849.72	12,218.44	34,034.74	6,044.73	6,833.66	1,648.13	3,352.93	65,982
apleple			0.52	8.25	195.43	1,784.51	27.54	1.86	0.27	2,018.
والهاوالي إلا ويساو بالوالوالي				0.02	0.41	0.20	191.83	118.39		310.
dilidiles			1,108.51	1,637.32	1,719.68	2,659.63	6,247.99	2,076.40	3,376.29	18,825.
oluciolu			32,650.07	51,929.38	67,225.36	119,046.49	220,483.14	90,763.31	219,070.16	801,167.
oluga jurnius			117,852.52	272,379.14	68,090.97	233,282,37	708,515.52	74,721.47	90,098.91	1,564,940.
el le il liègic			131.15	0.76	0.03	11,759.39	17,930.71	1,495.66	79,045.03	110,362.
lugulugrs		0.08	27,031.35	16,518.75	58,050.21	121,162.28	205,735.45	90,570.14	269,843.39	788,911.
(MSC) MSG 4999			33,156.42	159.34	220.77	16,073.35	13,865.93	17,319.77	443,507.14	524,302
39 4 390 1 394 ggr	rp		2,931.33	4,046.18	12,680.88	31,862.62	36,127.13	17,554.64	65,931.66	171,134
grage_agNo			3,067.71	1,130.32	5,544.33	10,970.73	19,840.48	14,690.08	39,209.88	94,453
dikadik-alija					328.45	2.72	4.12	0.01	0.16	335.
olusiu oluisiu			669.28	73.95	36.44	45.18	7.59	12.86	0.02	845.
olugiu geluz eilus					372.25	170.26	190.66	72.61	17.90	823.
lu_laluglusqualus			38.77				31.55		15.11	85.
olublugolu-alusol	lu		12,350.75	27,040.45	40,966.27	76,472.96	126,516.02	59,721.60	58,921.80	401,989.
lu si sini sinosiili	b		63.29	52.10	224.50	344.55	1,157.22	333.88	2,915.07	5,090.
Totals		0.08	232,901.41	387,194.55	289,712.78	631,759.55	1,363,768.41	371,110.46	1,275,324.82	4,551,772.

Conclusion

- Innovate
- Cut costs
- Accelerate decisions

Research.Data- Enabling Insights Driven Therapeutic Discovery









THANK YOU!

