

File IO Stats

- ordered by Tablespace, File

Tablespace	Filename	Reads	Av Reads/s	Av Rd(ms)	Av Blks/Rd	Writes	Av Writes/s	Buffer Waits	Av Buf Wt(ms)
CER_CONF_DEF	/dev/rdprod_0000126	40	0	232.25	1.00	7	0	0	0.00
CER_PREF_DEF	/dev/rdprod_0000127	40	0	2305.75	1.00	7	0	0	0.00
D_724ACCESS	/dev/rdprod_0000122	40	0	19373.50	1.00	7	0	0	0.00
D_ADDRESS	/dev/rdprod_0000030	20,408	3	60.70	1.85	127	0	0	0.00
D_ADDRESS	/dev/rdprod_0000157	8,787	1	108.19	1.54	236	0	1	30.00
D_A_LARGE	/dev/rdprod_0000008	13,568	2	2085.15	1.01	4,129	1	186	51.18
D_A_LARGE	/dev/rdprod_0000114	12,202	2	1929.46	1.01	1,585	0	143	1.61
D_A_LARGE	/dev/rdprod_0000139	7,920	1	65.09	1.00	2,011	0	128	57.19
D_A_LARGE	/dev/rdprod_0000140	1,524	0	18110.14	1.00	209	0	0	0.00
D_A_LARGE	/dev/rdprod_0000160	772	0	8739.48	1.01	197	0	0	0.00
D_A_LARGE	/dev/rdprod_0000163	9,316	1	64.32	1.00	1,891	0	260	49.42
D_A_M001	/dev/rdprod_0000123	40	0	2346.00	1.00	7	0	0	0.00
D_A_M002	/dev/rdprod_0000124	40	0	232.25	1.00	7	0	0	0.00
D_A_M005	/dev/rdprod_0000125	40	0	2093.50	1.00	7	0	0	0.00
D_A_MEDIUM	/dev/rdprod_0000006	35,915	5	507.82	5.69	10,161	1	459	86.91
D_A_MEDIUM	/dev/rdprod_00000097	21,121	3	706.93	6.22	2,240	0	4,402	77.65
D_A_MEDIUM	/dev/rdprod_0000144	44,697	6	58.38	4.55	7,363	1	13,141	68.48
D_A_MEDIUM	/dev/rprod_0000096	12,422	2	667.91	6.33	1,389	0	1,207	73.18
D_A_SMALL	/dev/rdprod_0000004	35,105	5	844.08	1.65	4,431	1	3,470	20.54
D_A_SMALL	/dev/rdprod_00000091	53,626	7	74.49	1.26	14,939	2	3,541	39.26
D_A_SMALL	/dev/rdprod_0000128	36,705	5	808.19	1.56	1,193	0	4,330	40.21
D_A_W002	/dev/rdprod_0000141	39	0	8065.13	1.00	7	0	0	0.00
D_BEDROCK	/dev/rdprod_00000099	67	0	1551.19	1.36	7	0	0	0.00
D_BO	/dev/rdprod_0000142	1,474	0	118.77	1.00	7	0	0	0.00

D_CE_BLOB_RESU1339	/dev/rdprod_0000044	51	0	21594.31	1.00	8	0	0	0.00
D_CE_BLOB_RESU1339	/dev/rdprod_0000154	270	0	3609.89	1.00	321	0	0	0.00
D_CE_CODED_RES0028	/dev/rdprod_0000020	35	0	254447.43	1.00	7	0	0	0.00
D_CE_CODED_RES0028	/dev/rdprod_0000149	1,747	0	994.59	1.00	492	0	28	54.29
D_CE_DYNAMIC_L2000	/dev/rdprod_0000116	38	0	2577.37	1.00	7	0	0	0.00
D_CE_EVENT_NOT1334	/dev/rdprod_0000031	316	0	3306.52	1.00	133	0	0	0.00
D_CE_EVENT_PRS2966	/dev/rdprod_0000014	127	0	186431.81	1.00	8	0	3	83.33
D_CE_EVENT_PRS2966	/dev/rdprod_0000138	145	0	29450.14	1.00	7	0	1	70.00
D_CE_EVENT_PRS2966	/dev/rdprod_0000148	24,811	3	44.96	1.00	840	0	129	56.20
D_CE_LINKED_RE1342	/dev/rdprod_0000045	84	0	11652.26	1.00	8	0	0	0.00
D_CE_SPECIMEN_1337	/dev/rdprod_0000046	93	0	16549.78	1.00	35	0	0	0.00
D_CE_STRING_RE1340	/dev/rdprod_0000024	55	0	68928.91	1.00	8	0	0	0.00
D_CE_STRING_RE1340	/dev/rdprod_0000151	1,511	0	3011.11	1.00	288	0	29	63.45
D_CHARGE1156	/dev/rdprod_0000019	464	0	6361.19	1.00	8	0	0	0.00
D_CHARGE1156	/dev/rdprod_0000153	30,993	4	76.60	1.00	621	0	11	33.64
D_CHARGE_EVENT0034	/dev/rdprod_0000015	150	0	38092.60	1.00	10	0	1	40.00
D_CHARGE_EVENT0034	/dev/rdprod_0000135	2,259	0	8121.39	1.00	1,737	0	62	34.35
D_CHARGE_EVENT0035	/dev/rdprod_0000012	14	0	457.86	1.00	7	0	0	0.00
D_CHARGE_EVENT0035	/dev/rdprod_0000129	1,092	0	80.59	1.00	993	0	51	39.61
D_CHARGE_EVENT1155	/dev/rdprod_0000013	14	0	457.86	1.00	7	0	0	0.00
D_CHARGE_EVENT1155	/dev/rdprod_0000145	2,753	0	10132.84	1.00	789	0	83	50.48
D_CHART_REQUES2568	/dev/rdprod_0000047	621	0	1523.17	1.00	66	0	0	0.00
D_CLINICAL_EVE1333	/dev/rdprod_0000009	8,558	1	3292.48	1.00	7	0	2,420	72.72
D_CLINICAL_EVE1333	/dev/rdprod_0000131	112,763	16	300.89	1.00	773	0	7,378	58.74
D_CLINICAL_EVE1333	/dev/rdprod_0000143	139,546	19	56.29	1.00	846	0	16,442	39.14
D_CMT_CONCEPT_7688	/dev/rdprod_0000010	17	0	392.94	1.00	7	0	0	0.00
D_CQM_BMDL_RES8835	/dev/rdprod_0000092	34	0	474.71	1.00	7	0	0	0.00
D_DCP_FORMS_AC3640	/dev/rdprod_0000032	7,300	1	557.32	1.00	166	0	450	52.49

D_DIAGNOSIS0740	/dev/rdprod_0000048	6,203	1	53.25	1.00	78	0	0	0.00
D_DISPENSE_HX1608	/dev/rdprod_0000049	50	0	479.40	1.00	8	0	0	0.00
D_DISPENSE_HX1608	/dev/rdprod_00000150	1,819	0	1904.90	1.00	101	0	0	0.00
D_DMS_MEDIA_IN8231	/dev/rdprod_0000050	45	0	2924.22	1.00	8	0	0	0.00
D_DMS_MEDIA_TA8232	/dev/rdprod_0000051	45	0	2145.33	1.00	8	0	0	0.00
D_DMS_MEDIA_XR8611	/dev/rdprod_00000033	44	0	2158.86	1.00	8	0	0	0.00
D_DM_CONEX	/dev/rdprod_00000118	45	0	277.78	1.00	7	0	0	0.00
D_ENCINTR_ALIAS0071	/dev/rdprod_00000053	23,563	3	221.40	1.00	121	0	49	54.29
D_ENCINTR_BENEF7498	/dev/rdprod_00000054	240	0	737.67	1.00	119	0	0	0.00
D_ENCINTR_BENEF7499	/dev/rdprod_00000055	62	0	2535.48	1.00	17	0	0	0.00
D_ENCINTR_CODE_7435	/dev/rdprod_00000056	169	0	872.01	1.00	27	0	8	62.50
D_ENCINTR_DOMA15952	/dev/rdprod_00000057	70	0	5312.86	1.00	191	0	0	0.00
D_ENCINTR_LEGAL7444	/dev/rdprod_00000058	46	0	496.74	1.00	8	0	0	0.00
D_ENCINTR_LEGAL7445	/dev/rdprod_00000059	46	0	2831.74	1.00	8	0	0	0.00
D_ENCINTR_LOC_H0735	/dev/rdprod_00000060	1,547	0	3560.29	1.00	302	0	0	0.00
D_ENCINTR_PERSO1243	/dev/rdprod_00000061	5,142	1	147.21	1.00	147	0	1	0.00
D_ENCINTR_PLAN_0366	/dev/rdprod_00000062	38,422	5	57.14	1.00	121	0	12	49.17
D_ENCINTR_PRSNL0368	/dev/rdprod_00000025	20,978	3	68.90	1.00	1,419	0	351	61.08
D_ENCOUNTER0077	/dev/rdprod_00000034	374,029	52	50.12	5.29	395	0	133,043	22.72
D_ESI_LOG3045	/dev/rdprod_00000063	130	0	12512.54	1.00	139	0	0	0.00
D_EXAM_DATA0757	/dev/rdprod_00000064	416	0	101.59	1.00	33	0	0	0.00
D_FSIESO_QUE_D5114	/dev/rdprod_00000065	48	0	40723.75	1.00	147	0	0	0.00
D_HNA_RECONCIL5210	/dev/rdprod_00000066	55	0	1967.45	1.07	8	0	0	0.00
D_INTERFACE_CH1637	/dev/rdprod_00000067	46	0	39234.13	1.00	8	0	0	0.00
D_INTERFACE_CH1637	/dev/rdprod_00000156	36	0	157.22	1.00	7	0	0	0.00
D_MM_APPROVAL_7162	/dev/rdprod_00000068	46	0	513.48	1.00	8	0	0	0.00
D_MM_XFL_CNTRC7567	/dev/rdprod_00000069	46	0	3369.78	1.00	8	0	0	0.00
D_NOMENCLATURE2968	/dev/rdprod_00000033	1,783	0	77.49	1.00	7	0	1	180.00

D_NOMENCLATURE2968	/dev/rdprod_0000093	2,132	0	272.09	1.00	7	0	13	53.85
D_OMF_CHARGE_S4991	/dev/rdprod_0000070	46	0	107777.17	1.00	8	0	0	0.00
D_OMF_CHARGE_S4991	/dev/rdprod_0000130	200	0	11655.15	1.00	225	0	0	0.00
D_OMF_CHARGE_S4991	/dev/rdprod_0000133	32	0	70213.13	1.00	7	0	0	0.00
D_OMF_CLINICAL3249	/dev/rdprod_0000071	882	0	2346.80	1.00	1,911	0	2	35.00
D_OMF_ENCINTR_S3274	/dev/rdprod_0000035	864	0	2912.92	1.00	999	0	0	0.00
D_OMF_LOCATION4075	/dev/rdprod_0000072	198	0	82.63	1.00	266	0	0	0.00
D_OMF_ORDER_ST5155	/dev/rdprod_0000073	35	0	3889.71	1.00	7	0	0	0.00
D_OMF_RADMGMT_1666	/dev/rdprod_0000074	49	0	3093.06	1.00	37	0	0	0.00
D_ORDERS0148	/dev/rdprod_0000017	1,583	0	7339.55	1.00	1,550	0	44	45.45
D_ORDER_ACTION0149	/dev/rdprod_0000018	23,081	3	498.06	1.00	398	0	439	54.99
D_ORDER_ACTION0149	/dev/rdprod_0000155	17,722	2	605.41	1.00	7	0	315	44.10
D_ORDER_ALIAS0150	/dev/rdprod_0000075	43	0	5686.05	1.00	23	0	0	0.00
D_ORDER_DEMOG_3855	/dev/rdprod_0000036	44	0	375.23	1.00	8	0	0	0.00
D_ORDER_DETAIL1564	/dev/rdprod_0000016	11,298	2	2443.88	1.00	350	0	1,191	48.81
D_ORDER_DISPEN0464	/dev/rdprod_0000076	5,218	1	302.48	1.00	241	0	0	0.00
D_ORDER_HEALTH8234	/dev/rdprod_0000077	35	0	412.00	1.00	7	0	0	0.00
D_OTG	/dev/rdprod_0000115	182	0	20924.67	1.00	752	0	1	70.00
D_OTG	/dev/rdprod_0000152	857	0	3359.05	1.00	1,117	0	2	40.00
D_PATROL	/dev/rbmc_000	45	0	8258.22	1.00	7	0	0	0.00
D_PERFORM_RESU1017	/dev/rdprod_0000037	75	0	50056.53	1.00	33	0	0	0.00
D_PERSON4859	/dev/rdprod_0000026	48,603	7	76.91	1.00	1,585	0	34	6.76
D_PERSON_ALIAS0379	/dev/rdprod_0000038	10,074	1	150.76	1.00	311	0	274	6.09
D_PERSON_BENEF7448	/dev/rdprod_0000078	344	0	422.27	1.00	130	0	1	30.00
D_PERSON_BENEF7500	/dev/rdprod_0000079	31	0	3129.03	1.00	7	0	0	0.00
D_PERSON_CODE_7434	/dev/rdprod_0000080	48	0	291.25	1.00	7	0	13	38.46
D_PERSON_COMBIO381	/dev/rdprod_0000081	229	0	16497.90	1.00	7	0	0	0.00
D_PERSON_NAME0173	/dev/rdprod_0000027	6,436	1	894.83	1.00	248	0	36	38.89
D_PERSON_ORG_R0383	/dev/rdprod_000008	1,049	0	87.26	1.00	162	0	5	70.00

	2								
D_PERSON_PLAN_1408	/dev/rdprod_0000083	6,981	1	118.10	1.00	143	0	0	0.00
D_PERSON_PRSNL1178	/dev/rdprod_0000028	54	0	26330.37	1.00	8	0	0	0.00
D_PERSON_PRSNL1178	/dev/rdprod_0000120	1,120	0	3381.45	1.00	323	0	0	0.00
D_PFT_REVENUE_8504	/dev/rdprod_0000089	38	0	2980.26	1.00	7	0	0	0.00
D_PHONE0390	/dev/rdprod_0000084	1,114	0	392.68	1.00	123	0	0	0.00
D_PHONE0390	/dev/rdprod_0000158	672	0	540.34	1.00	259	0	0	0.00
D_PM_TRANSACT1496	/dev/rdprod_0000023	3,861	1	1129.32	1.00	512	0	1,587	39.37
D_PROD_DISPENS1603	/dev/rdprod_0000085	396	0	2044.97	1.00	64	0	0	0.00
D_PROD_DISPENS1603	/dev/rdprod_0000134	131	0	4652.60	1.00	7	0	0	0.00
D_PRSNL_RELTN_8245	/dev/rdprod_0000039	44	0	342.73	1.00	8	0	0	0.00
D_QC_RESULT1416	/dev/rdprod_0000086	31	0	4611.61	1.00	7	0	0	0.00
D_RC_F_CLAIM_EVENT	/dev/rdprod_0000104	36	0	12118.33	1.00	7	0	0	0.00
D_RC_F_REVENUE	/dev/rdprod_0000105	36	0	420.28	1.00	7	0	0	0.00
D_RESULT	/dev/rdprod_0000040	75	0	13370.67	1.00	27	0	0	0.00
D_RESULT_EVENT	/dev/rdprod_0000041	48	0	69713.54	1.00	29	0	0	0.00
D_R_LARGE	/dev/rdprod_0000002	2,437	0	484.62	1.00	7	0	1,052	48.57
D_R_LARGE	/dev/rdprod_0000100	1,946	0	12673.98	1.00	7	0	1,360	47.55
D_R_LARGE	/dev/rdprod_0000101	1,345	0	1080.69	1.00	7	0	791	50.54
D_R_M003	/dev/rdprod_0000121	52	0	2567.69	1.00	7	0	0	0.00
D_R_MEDIUM	/dev/rdprod_0000005	24,799	3	53.30	1.04	6,312	1	5,250	12.28
D_R_MEDIUM	/dev/rdprod_0000090	11,524	2	126.23	1.03	289	0	2,097	51.05
D_R_MEDIUM	/dev/rdprod_0000102	12,112	2	89.74	1.03	779	0	1,985	52.55
D_R_MEDIUM	/dev/rdprod_0000103	16,042	2	43.51	1.03	2,127	0	3,139	53.73
D_R_SMALL	/dev/rdprod_0000001	23,862	3	38.25	1.02	2,097	0	344	45.73
D_R_SMALL	/dev/rdprod_0000096	12,752	2	245.35	1.03	574	0	171	68.25
D_R_W002	/dev/rdprod_0000119	47	0	2352.98	1.00	1,228	0	0	0.00
D_SA_PARAMETER7913	/dev/rdprod_0000087	31	0	4353.23	1.00	7	0	0	0.00
D_SCH_APPT0731	/dev/rdprod_0000001	579	0	7673.35	1.00	15	0	0	0.00

	1								
D_SCH_BOOKING2772	/dev/rdprod_0000042	44	0	358.86	1.00	8	0	0	0.00
D_SCH_EVENT_AC1168	/dev/rdprod_0000029	62	0	9906.94	1.00	29	0	16	96.88
D_SCH_EVENT_DE1066	/dev/rdprod_0000043	166	0	1641.75	1.00	16	0	1	0.00
D_SCH_EVENT_DI1170	/dev/rdprod_0000022	1,281	0	84.02	1.00	652	0	0	0.00
D_SHR_PERSON	/dev/rdprod_0000106	36	0	416.67	1.00	7	0	0	0.00
D_SYS_MGMT	/dev/rdprod_0000007	8	0	17145.00	1.00	7	0	0	0.00
D_TRACKABLE_OB0914	/dev/rdprod_0000088	87	0	8035.63	1.00	50	0	0	0.00
D_UM_CHARGE_EV1584	/dev/rdprod_0000021	68	0	125834.12	1.00	88	0	8	15.00
D_WH_D_LARGE	/dev/rdprod_0000107	36	0	3141.94	1.00	7	0	0	0.00
D_WH_D_MEDIUM	/dev/rdprod_0000108	36	0	3720.00	1.00	7	0	0	0.00
D_WH_D_MEDIUM	/dev/rdprod_0000132	32	0	17564.69	1.00	7	0	0	0.00
D_WH_D_SMALL	/dev/rdprod_0000109	36	0	417.50	1.00	7	0	0	0.00
D_WH_F_LARGE	/dev/rdprod_0000110	36	0	158436.11	1.00	7	0	0	0.00
D_WH_F_LARGE	/dev/rdprod_0000147	41	0	271575.85	1.00	7	0	0	0.00
D_WH_F_MEDIUM	/dev/rdprod_0000111	43	0	3559.53	1.00	7	0	0	0.00
D_WH_F_MEDIUM	/dev/rdprod_0000159	43	0	13958.60	1.00	7	0	0	0.00
D_WH_F_SMALL	/dev/rdprod_0000112	415	0	305.40	1.00	11	0	0	0.00
D_WH_F_SMALL	/dev/rdprod_0000136	6,459	1	315.04	1.01	215	0	0	0.00
D_WH_RC_CLN_AREA	/dev/rdprod_0000113	43	0	2335.58	1.00	7	0	0	0.00
D_WH_RC_CLN_AREA	/dev/rdprod_0000117	35	0	12046.00	1.00	7	0	0	0.00
D_WH_RC_CLN_AREA	/dev/rdprod_0000137	32	0	238.44	1.00	7	0	0	0.00
D_WH_RC_CLN_AREA	/dev/riprod_0000128	53	0	315.28	1.00	8	0	0	0.00
I_724ACCESS	/dev/riprod_0000121	40	0	19904.25	1.00	7	0	0	0.00
I_ADDRESS	/dev/riprod_0000069	1,556	0	939.93	1.00	244	0	0	0.00
I_A_LARGE	/dev/riprod_0000008	21,359	3	1357.51	1.00	4,951	1	56	23.93
I_A_LARGE	/dev/riprod_0000096	31,448	4	78.01	1.00	8,722	1	91	31.43
I_A_LARGE	/dev/riprod_0000134	2,817	0	9934.22	1.00	1,814	0	30	64.33
I_A_LARGE	/dev/riprod_0000156	3,258	0	8346.44	1.00	2,185	0	35	52.57
I_A_LARGE	/dev/riprod_0000159	3,769	1	7161.42	1.00	2,800	0	42	56.90
I_A_LARGE	/dev/riprod_0000163	25,999	4	1142.51	1.00	17,756	2	664	46.93
I_A_M001	/dev/riprod_0000122	40	0	232.25	1.00	7	0	0	0.00
I_A_M002	/dev/riprod_0000123	40	0	10348.00	1.00	7	0	0	0.00

I_A_M005	/dev/riprod_0000125	40	0	2333.00	1.00	7	0	0	0.00
I_A_MEDIUM	/dev/riprod_0000006	100,677	14	195.78	1.00	26,976	4	599	8.01
I_A_MEDIUM	/dev/riprod_0000097	31,783	4	92.57	1.00	9,329	1	233	93.39
I_A_MEDIUM	/dev/riprod_0000143	21,193	3	1366.57	1.00	16,573	2	478	48.03
I_A_SMALL	/dev/riprod_0000004	18,221	3	1581.11	1.00	10,855	2	429	24.85
I_A_SMALL	/dev/riprod_0000090	19,456	3	1501.33	1.00	7,401	1	278	43.78
I_A_SMALL	/dev/riprod_0000133	14,576	2	1971.76	1.00	2,691	0	212	52.12
I_A_SMALL	/dev/riprod_0000165	39,271	5	763.50	1.00	47,327	7	1,058	22.34
I_A_W002	/dev/riprod_0000137	39	0	8318.72	1.00	7	0	0	0.00
I_BEDROCK	/dev/riprod_0000091	158	0	692.91	1.00	7	0	0	0.00
I_CE_BLOB_RESU1339	/dev/riprod_0000084	339	0	12014.81	1.00	511	0	0	0.00
I_CE_CODED_RES0028	/dev/riprod_0000036	324	0	23201.91	1.00	123	0	0	0.00
I_CE_CODED_RES0028	/dev/riprod_0000147	2,867	0	3919.53	1.00	5,390	1	22	36.36
I_CE_DYNAMIC_L2000	/dev/riprod_0000111	41	0	2415.12	1.00	7	0	0	0.00
I_CE_EVENT_NOT1334	/dev/riprod_0000047	403	0	11925.43	1.00	270	0	1	0.00
I_CE_EVENT_PRS2966	/dev/riprod_0000012	505	0	55238.51	1.00	376	0	0	0.00
I_CE_EVENT_PRS2966	/dev/riprod_0000129	5,263	1	5191.77	1.00	4,865	1	30	4.33
I_CE_EVENT_PRS2966	/dev/riprod_0000139	4,164	1	6530.17	1.00	2,743	0	49	0.00
I_CE_EVENT_PRS2966	/dev/riprod_0000150	1,631	0	17102.13	1.00	424	0	0	0.00
I_CE_EVENT_PRS2966	/dev/riprod_0000171	9,583	1	2952.13	1.00	1,870	0	85	40.47
I_CE_EVENT_PRS2966	/dev/riprod_2048_000	153	0	28358.76	1.00	75	0	0	0.00
I_CE_LINKED_RE1342	/dev/riprod_0000053	196	0	16590.92	1.00	8	0	0	0.00
I_CE_SPECIMEN_1337	/dev/riprod_0000054	113	0	31444.87	1.00	65	0	0	0.00
I_CE_STRING_RE1340	/dev/riprod_0000070	76	0	27412.76	1.00	8	0	0	0.00
I_CE_STRING_RE1340	/dev/riprod_0000152	1,223	0	2064.86	1.00	92	0	14	55.71
I_CHARGE1156	/dev/riprod_0000015	1,076	0	9663.98	1.00	214	0	1	10.00
I_CHARGE1156	/dev/riprod_0000151	8,080	1	1408.28	1.00	4,604	1	83	51.45
I_CHARGE_EVENT0034	/dev/riprod_0000011	675	0	39641.19	1.00	517	0	7	102.86
I_CHARGE_EVENT0034	/dev/riprod_0000131	504	0	54867.08	1.00	196	0	5	38.00
I_CHARGE_EVENT0034	/dev/riprod_0000160	7,869	1	3598.58	1.00	10,267	1	110	19.73
I_CHARGE_EVENT0034	/dev/riprod_0000168	6,608	1	1878.82	1.00	12,042	2	111	32.97
I_CHARGE_EVENT0035	/dev/riprod_0000018	14	0	782517.86	1.00	7	0	0	0.00
I_CHARGE_EVENT0035	/dev/riprod_0000141	2,059	0	9585.53	1.00	1,549	0	170	38.12
I_CHARGE_EVENT1155	/dev/riprod_0000016	1,220	0	21999.02	1.00	1,741	0	189	66.14
I_CHARGE_EVENT1155	/dev/riprod_0000132	1,183	0	22700.58	1.00	432	0	294	50.20
I_CHARGE_EVENT1155	/dev/riprod_0000167	2,349	0	5096.15	1.00	4,252	1	147	39.73
I_CHART_REQUES2568	/dev/riprod_0000020	865	0	77.97	1.00	560	0	0	0.00
I_CLINICAL_EVE1333	/dev/riprod_0000009	3,855	1	7323.32	1.00	890	0	18	50.56
I_CLINICAL_EVE1333	/dev/riprod_0000109	4,914	1	84.45	1.00	984	0	12	125.83
I_CLINICAL_EVE1333	/dev/riprod_0000126	4,884	1	5786.66	1.00	1,077	0	456	44.69
I_CLINICAL_EVE1333	/dev/riprod_0000127	4,265	1	6408.58	1.00	1,163	0	453	45.28
I_CLINICAL_EVE1333	/dev/riprod_0000138	7,917	1	3536.03	1.00	913	0	1,322	45.73
I_CLINICAL_EVE1333	/dev/riprod_0000142	6,295	1	4426.57	1.00	769	0	1,073	46.50
I_CLINICAL_EVE1333	/dev/riprod_0000161	9,392	1	2932.49	1.00	1,294	0	1,825	43.62
I_CLINICAL_EVE1333	/dev/riprod_0000164	49,303	7	630.59	1.00	15,685	2	5,873	42.27

I_CLINICAL_EVE1333	/dev/riprod_0000166	45,035	6	68.34	1.00	12,729	2	5,285	42.75
I_CLINICAL_EVE1333	/dev/riprod_0000170	30,588	4	440.91	1.00	11,739	2	2,152	44.82
I_CMT_CONCEPT_7688	/dev/riprod_0000029	22	0	4225.00	1.00	7	0	0	0.00
I_DCP_FORMS_AC3640	/dev/riprod_0000048	602	0	3259.63	1.00	497	0	0	0.00
I_DCP_FORMS_AC3640	/dev/riprod_0000158	1,694	0	2270.06	1.00	2,285	0	4	110.00
I_DIAGNOSIS0740	/dev/riprod_0000038	683	0	9209.52	1.00	153	0	2	50.00
I_DISPENSE_HX1608	/dev/riprod_0000030	74	0	62618.38	1.00	8	0	0	0.00
I_DISPENSE_HX1608	/dev/riprod_0000149	604	0	10244.45	1.00	1,351	0	0	0.00
I_DMS_MEDIA_IN8231	/dev/riprod_0000060	36	0	4043.89	1.00	8	0	0	0.00
I_DMS_MEDIA_TA8232	/dev/riprod_0000061	36	0	3255.00	1.00	8	0	0	0.00
I_DMS_MEDIA_XR8611	/dev/riprod_0000088	38	0	17023.95	1.00	7	0	0	0.00
I_ENCNTR_ALIAS0071	/dev/riprod_0000063	13,216	2	47.15	1.00	63	0	17	44.71
I_ENCNTR_BENEF7498	/dev/riprod_0000071	142	0	1113.45	1.00	34	0	0	0.00
I_ENCNTR_BENEF7499	/dev/riprod_0000072	67	0	2006.72	1.00	12	0	0	0.00
I_ENCNTR_CODE_7435	/dev/riprod_0000073	66	0	1284.55	1.00	24	0	2	5.00
I_ENCNTR_DOMA15952	/dev/riprod_0000039	655	0	2534.70	1.00	659	0	0	0.00
I_ENCNTR_LEGAL7444	/dev/riprod_0000074	52	0	2477.50	1.00	8	0	0	0.00
I_ENCNTR_LEGAL7445	/dev/riprod_0000075	52	0	1830.19	1.00	8	0	0	0.00
I_ENCNTR_LOC_H0735	/dev/riprod_0000032	929	0	8920.11	1.00	1,055	0	0	0.00
I_ENCNTR_PERSO1243	/dev/riprod_0000064	2,805	0	223.80	1.00	86	0	1	0.00
I_ENCNTR_PLAN_0366	/dev/riprod_0000040	1,661	0	400.05	1.00	274	0	4	120.00
I_ENCNTR_PRSNL0368	/dev/riprod_0000049	13,695	2	763.96	1.00	1,974	0	8,219	24.08
I_ENCNTR_PRSNL0368	/dev/riprod_0000145	3,797	1	67.84	1.00	1,226	0	932	39.33
I_ENCOUNTER0077	/dev/riprod_0000023	12,585	2	505.41	1.00	594	0	824	21.26
I_ESI_LOG3045	/dev/riprod_0000033	518	0	84.65	1.00	908	0	0	0.00
I_EXAM_DATA0757	/dev/riprod_0000055	375	0	5165.04	1.00	64	0	0	0.00
I_FSIESO_QUE_D5114	/dev/riprod_0000076	1,811	0	1596.07	1.00	3,825	1	2	0.00
I_HNA_RECONCIL5210	/dev/riprod_0000077	87	0	3837.93	1.00	8	0	0	0.00
I_INTERFACE_CH1637	/dev/riprod_0000041	28	0	34041.79	1.00	7	0	0	0.00
I_MM_APPROVAL_7162	/dev/riprod_0000078	45	0	7415.56	1.00	8	0	0	0.00
I_MM_XFI_CNTRC7567	/dev/riprod_0000085	31	0	574.84	1.00	7	0	0	0.00
I_NOMENCLATURE2968	/dev/rdprod_0000095	515	0	1781.57	1.00	7	0	0	0.00
I_NOMENCLATURE2968	/dev/riprod_0000003	656	0	707.67	1.00	7	0	1	0.00
I_OMF_CHARGE_S4991	/dev/riprod_0000021	184	0	11968.42	1.00	112	0	1	60.00
I_OMF_CHARGE_S4991	/dev/riprod_0000144	1,806	0	3548.27	1.00	2,958	0	6	31.67
I_OMF_CLINICAL3249	/dev/riprod_0000027	15,953	2	794.48	1.00	4,759	1	6	26.67
I_OMF_CLINICAL3249	/dev/riprod_0000146	17,010	2	283.37	1.00	22,776	3	76	12.50
I_OMF_ENCNTR_S3274	/dev/riprod_0000014	1,272	0	4169.62	1.00	1,921	0	0	0.00
I_OMF_LOCATION4075	/dev/riprod_0000042	628	0	2737.10	1.00	1,031	0	0	0.00
I_OMF_ORDER_ST5155	/dev/riprod_0000034	23	0	3878.26	1.00	7	0	0	0.00
I_OMF_RADMGMT_1666	/dev/riprod_0000024	161	0	4259.19	1.00	248	0	0	0.00
I_ORDERS0148	/dev/riprod_0000013	19,012	3	1502.82	1.00	10,655	1	9,486	7.30
I_ORDERS0148	/dev/riprod_0000169	9,393	1	772.59	1.00	9,673	1	649	25.21
I_ORDER_ACTION0149	/dev/riprod_0000022	3,965	1	1394.56	1.00	72	0	1	30.00
I_ORDER_ACTION0149	/dev/riprod_0000157	11,555	2	1052.34	1.00	2,980	0	380	44.16
I_ORDER_ALIAS0150	/dev/riprod_0000065	65	0	1773.38	1.00	40	0	0	0.00

I_ORDER_DEMOG_3855	/dev/riprod_0000056	36	0	123751.39	1.00	8	0	0	0.00
I_ORDER_DETAIL1564	/dev/riprod_0000043	1,575	0	6676.46	1.00	8	0	0	0.00
I_ORDER_DETAIL1564	/dev/riprod_0000153	8,211	1	1055.09	1.00	288	0	925	46.22
I_ORDER_DISPEN0464	/dev/riprod_0000044	2,063	0	1043.02	1.00	995	0	0	0.00
I_ORDER_HEALTH8234	/dev/riprod_0000086	33	0	3483.03	1.00	7	0	0	0.00
I_PERFORM_RESU1017	/dev/riprod_0000037	83	0	49483.49	1.00	62	0	0	0.00
I_PERSON4859	/dev/riprod_0000019	4,852	1	1044.46	1.00	658	0	14	29.29
I_PERSON_ALIAS0379	/dev/riprod_0000057	4,699	1	435.46	1.00	372	0	94	27.45
I_PERSON_BENEF7448	/dev/riprod_0000079	340	0	143.76	1.00	32	0	0	0.00
I_PERSON_BENEF7500	/dev/riprod_0000080	45	0	3436.89	1.00	8	0	0	0.00
I_PERSON_CODE_7434	/dev/riprod_0000081	52	0	2619.62	1.00	8	0	1	40.00
I_PERSON_COMBI0381	/dev/riprod_0000066	433	0	122.10	1.00	8	0	0	0.00
I_PERSON_NAME0173	/dev/riprod_0000045	1,617	0	71.00	1.00	154	0	3	46.67
I_PERSON_ORG_R0383	/dev/riprod_0000050	1,076	0	422.43	1.00	96	0	0	0.00
I_PERSON_PLAN_1408	/dev/riprod_0000031	1,616	0	337.19	1.00	184	0	0	0.00
I_PERSON_PRSNL1178	/dev/riprod_0000051	897	0	3595.27	1.00	817	0	36	76.39
I_PERSON_PRSNL1178	/dev/riprod_0000155	2,268	0	1892.69	1.00	2,850	0	14	60.71
I_PFT_REVENUE_8504	/dev/riprod_0000089	34	0	4070.88	1.00	7	0	0	0.00
I_PHONE0390	/dev/riprod_0000067	1,650	0	787.96	1.00	419	0	1	0.00
I_PM_TRANSACTION1496	/dev/riprod_0000052	1,472	0	492.62	1.00	1,894	0	0	0.00
I_PROD_DISPENS1603	/dev/riprod_0000087	381	0	3434.15	1.00	56	0	0	0.00
I_PRSNL_REL TN_8245	/dev/riprod_0000035	28	0	483.57	1.00	7	0	0	0.00
I_QC_RESULT1416	/dev/riprod_0000046	28	0	483.57	1.00	7	0	0	0.00
I_RC_F_CLAIM_EVENT	/dev/riprod_0000099	43	0	7384.65	1.00	7	0	0	0.00
I_RC_F_REVENUE	/dev/riprod_0000100	43	0	75370.23	1.00	7	0	0	0.00
I_RESULT	/dev/riprod_0000058	83	0	15822.41	1.00	55	0	0	0.00
I_RESULT_EVENT	/dev/riprod_0000068	66	0	39380.45	1.00	45	0	0	0.00
I_R_LARGE	/dev/riprod_0000002	1,763	0	14532.20	1.00	7	0	711	50.35
I_R_LARGE	/dev/riprod_0000092	2,371	0	1980.05	1.00	7	0	1,744	46.26
I_R_M003	/dev/riprod_0000124	75	0	1470.13	1.00	7	0	0	0.00
I_R_MEDIUM	/dev/rdprod_0000094	5,065	1	190.95	1.00	145	0	532	50.13
I_R_MEDIUM	/dev/riprod_0000005	17,591	2	8.55	1.00	6,309	1	2,553	11.50
I_R_MEDIUM	/dev/riprod_0000093	5,437	1	161.13	1.00	1,425	0	207	49.03
I_R_MEDIUM	/dev/riprod_0000094	7,754	1	148.72	1.00	1,733	0	1,841	59.64
I_R_SMALL	/dev/riprod_0000001	42,296	6	219.84	1.00	3,434	0	250	39.12
I_R_SMALL	/dev/riprod_0000095	12,997	2	83.45	1.00	239	0	69	65.94
I_R_W002	/dev/riprod_0000120	104	0	112.40	1.00	54	0	0	0.00
I_SA_PARAMETER7913	/dev/riprod_0000082	45	0	1759.78	1.00	8	0	0	0.00
I_SCH_APPT0731	/dev/riprod_0000010	347	0	17333.86	1.00	135	0	0	0.00
I_SCH_APPT0731	/dev/riprod_0000110	304	0	5375.20	1.00	121	0	1	30.00
I_SCH_BOOKING2772	/dev/riprod_0000025	24	0	30831.25	1.00	7	0	0	0.00
I_SCH_EVENT_AC1168	/dev/riprod_0000026	78	0	41594.62	1.00	168	0	10	62.00
I_SCH_EVENT_DE1066	/dev/riprod_0000083	159	0	1144.91	1.00	16	0	0	0.00
I_SCH_EVENT_DI1170	/dev/riprod_0000028	1,460	0	1017.99	1.00	99	0	0	0.00
I_SHR_PERSON	/dev/riprod_0000101	43	0	340.70	1.00	7	0	0	0.00

L_SYS_MGMT	/dev/riprod_0000007	7	0	11425.71	1.00	7	0	0	0.00
L_TRACKABLE_OB0914	/dev/riprod_0000059	138	0	180.36	1.00	82	0	0	0.00
L_UM_CHARGE_EV1584	/dev/riprod_0000017	68	0	106391.32	1.00	25	0	0	0.00
L_UM_CHARGE_EV1584	/dev/riprod_0000154	365	0	11561.59	1.00	492	0	6	55.00
L_WH_D_LARGE	/dev/riprod_0000102	38	0	2946.32	1.00	7	0	0	0.00
L_WH_D_MEDIUM	/dev/riprod_0000103	38	0	3368.95	1.00	7	0	0	0.00
L_WH_D_SMALL	/dev/riprod_0000104	38	0	330.79	1.00	7	0	0	0.00
L_WH_F_LARGE	/dev/riprod_0000105	38	0	319060.00	1.00	7	0	0	0.00
L_WH_F_LARGE	/dev/riprod_0000140	34	0	816034.41	1.00	7	0	0	0.00
L_WH_F_MEDIUM	/dev/riprod_0000106	38	0	76267.63	1.00	7	0	0	0.00
L_WH_F_SMALL	/dev/riprod_0000107	251	0	1135.14	1.00	60	0	0	0.00
L_WH_F_SMALL	/dev/riprod_0000136	630	0	5808.17	1.00	32	0	0	0.00
L_WH_RC_CLN_AREA	/dev/riprod_0000108	38	0	334.74	1.00	7	0	0	0.00
L_WH_RC_CLN_AREA	/dev/riprod_0000135	32	0	50607.81	1.00	7	0	0	0.00
L_A_LARGE	/dev/riprod_0000004	58	0	464458.62	1.00	8	0	0	0.00
L_A_LARGE	/dev/riprod_0000008	41	0	679138.29	1.00	7	0	0	0.00
L_A_LARGE	/dev/riprod_0000009	48	0	560712.92	1.00	22	0	0	0.00
L_A_LARGE	/dev/riprod_0000014	43	0	110.47	1.00	8	0	0	0.00
L_A_LARGE	/dev/riprod_0000016	1,135	0	24342.89	1.02	1,238	0	0	0.00
L_A_LARGE	/dev/riprod_0000018	480	0	57959.33	1.04	27	0	0	0.00
L_A_MEDIUM	/dev/riprod_0000003	1,504	0	18112.67	1.00	314	0	0	0.00
L_A_MEDIUM	/dev/riprod_0000010	120	0	224934.58	1.04	70	0	0	0.00
L_A_MEDIUM	/dev/riprod_0000011	867	0	32096.06	1.00	300	0	0	0.00
L_A_MEDIUM	/dev/riprod_0000017	2,169	0	12428.43	1.15	1,306	0	0	0.00
L_A_SMALL	/dev/riprod_0000001	5,939	1	4511.51	1.00	930	0	0	0.00
L_A_SMALL	/dev/riprod_0000007	4,552	1	3769.06	1.00	910	0	0	0.00
L_A_SMALL	/dev/riprod_0000012	69	0	122.75	1.13	13	0	0	0.00
L_A_SMALL	/dev/riprod_0000007	78	0	349515.00	1.00	135	0	1	0.00
L_R_LARGE	/dev/riprod_0000005	38	0	2683.95	1.00	7	0	0	0.00
L_R_MEDIUM	/dev/riprod_0000006	38	0	470.53	1.00	7	0	0	0.00
L_R_SMALL	/dev/riprod_0000009	385	0	118.42	3.35	7	0	0	0.00
L_R_SMALL	/dev/riprod_0000148	110	0	142448.73	4.84	7	0	0	0.00
L_R_SMALL	/dev/riprod_0000002	407	0	10155.53	1.66	7	0	0	0.00
MISC	/dev/riprod_000014	2,489	0	3554.58	1.00	2,692	0	0	0.00
MISC	/dev/riprod_msc_000	2,326	0	73.35	1.00	1,326	0	0	0.00
SYSAUX	/dev/riprod_aux_000	2,708	0	1982.60	1.01	1,209	0	0	0.00
SYSTEM	/dev/riprod_sys_000	3,771	1	1031.12	1.00	336	0	0	0.00
SYSTEM	/dev/riprod_sys_001	1,786	0	524.42	1.00	53	0	0	0.00
TEMP	/dev/riprod_tmp_000	10	0	82.00	1.00	702	0	0	

TEMP	/dev/rprod_tmp_004	0	0			3	0	0	
UNDO	/dev/riprod_0000062	81	0	149.01	1.00	4,713	1	145	1.59
UNDO	/dev/rprod_und_001	75	0	118486.4 0	1.00	9,640	1	387	0.75
UNDO_T2	/dev/rprod_und_002	38	0	256810.0 0	1.00	7	0	0	0.00

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Buffer Pool Statistics

- Standard block size Pools D: default, K: keep, R: recycle
- Default Pools for other block sizes: 2k, 4k, 8k, 16k, 32k

P	Number of Buffers	Pool Hit%	Buffer Gets	Physical Reads	Physical Writes	Free Buff Wait	Writ Comp Wait	Buffer Busy Waits
D	2,721,142	100	1,704,406,501	4,438,167	739,817	0	0	266,917
R	13,433	100	3,556,820	35	0	0	0	0

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Advisory Statistics

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Instance Recovery Stats

- B: Begin snapshot, E: End snapshot

	Target MTTR (s)	Estd MTTR (s)	Recovery Estd IOs	Actual Redo Blks	Target Redo Blks	Log File Size Redo Blks	Log Ckpt Timeout Redo Blks	Log Ckpt Interval Redo Blks
B	453	43	23924	208464	1639597	4233780	1639597	
E	445	50	29593	284868	1894985	4233780	1894985	

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Buffer Pool Advisory

- Only rows with estimated physical reads >0 are displayed
- ordered by Block Size, Buffers For Estimate

P	Size for Est (M)	Size Factor	Buffers for Estimate	Est Phys Read Factor	Estimated Physical Reads
D	2,256	0.10	270,579	2.58	52,446,820,736
D	4,512	0.20	541,158	2.10	42,730,162,961
D	6,768	0.30	811,737	1.89	38,553,584,095
D	9,024	0.40	1,082,316	1.77	36,061,079,795
D	11,280	0.50	1,352,895	1.66	33,756,002,691
D	13,536	0.60	1,623,474	1.47	29,874,784,289
D	15,792	0.70	1,894,053	1.31	26,587,825,552
D	18,048	0.79	2,164,632	1.19	24,257,988,742
D	20,304	0.89	2,435,211	1.09	22,198,091,548
D	22,560	0.99	2,705,790	1.01	20,470,355,998
D	22,704	1.00	2,723,061	1.00	20,362,670,327
D	24,816	1.09	2,976,369	0.94	19,108,462,803
D	27,072	1.19	3,246,948	0.89	18,053,237,385
D	29,328	1.29	3,517,527	0.85	17,222,092,053
D	31,584	1.39	3,788,106	0.82	16,604,406,012
D	33,840	1.49	4,058,685	0.79	16,112,974,995
D	36,096	1.59	4,329,264	0.77	15,734,120,175
D	38,352	1.69	4,599,843	0.76	15,441,217,219
D	40,608	1.79	4,870,422	0.75	15,204,827,854
D	42,864	1.89	5,141,001	0.74	15,002,877,425
D	45,120	1.99	5,411,580	0.71	14,404,026,881
R	16	0.14	1,919	1.00	67,524
R	32	0.29	3,838	1.00	67,524
R	48	0.43	5,757	1.00	67,524
R	64	0.57	7,676	1.00	67,524
R	80	0.71	9,595	1.00	67,524
R	96	0.86	11,514	1.00	67,524
R	112	1.00	13,433	1.00	67,524
R	128	1.14	15,352	1.00	67,524
R	144	1.29	17,271	1.00	67,524
R	160	1.43	19,190	1.00	67,524
R	176	1.57	21,109	1.00	67,524
R	192	1.71	23,028	1.00	67,524
R	208	1.86	24,947	1.00	67,524
R	224	2.00	26,866	1.00	67,524

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PGA Aggr Summary

- PGA cache hit % - percentage of W/A (WorkArea) data processed only in-memory

PGA Cache Hit %	W/A MB Processed	Extra W/A MB Read/Written
100.00	20,561	0

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PGA Aggr Target Stats

- B: Begin snap E: End snap (rows identified with B or E contain data which is absolute i.e. not diffed over the interval)
- Auto PGA Target - actual workarea memory target
- W/A PGA Used - amount of memory used for all Workareas (manual + auto)
- %PGA W/A Mem - percentage of PGA memory allocated to workareas
- %Auto W/A Mem - percentage of workarea memory controlled by Auto Mem Mgmt
- %Man W/A Mem - percentage of workarea memory under manual control

	PGA Aggr Target(M)	Auto PGA Target(M)	PGA Mem Alloc(M)	W/A PGA Used(M)	%PGA W/A Mem	%Auto W/A Mem	%Man W/A Mem	Global Mem Bound(K)
B	2,048	364	2,421.05	1.40	0.06	100.00	0.00	209,710
E	2,048	311	2,381.87	2.32	0.10	100.00	0.00	209,710

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PGA Aggr Target Histogram

- Optimal Executions are purely in-memory operations

Low Optimal	High Optimal	Total Execs	Optimal Execs	1-Pass Execs	M-Pass Execs
2K	4K	527,124	527,124	0	0
64K	128K	2,602	2,602	0	0
128K	256K	2,558	2,558	0	0
256K	512K	635	635	0	0
512K	1024K	115	115	0	0
1M	2M	13,863	13,863	0	0
2M	4M	47	47	0	0
4M	8M	12	12	0	0
8M	16M	8	8	0	0
64M	128M	4	4	0	0

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PGA Memory Advisory

- When using Auto Memory Mgmt, minimally choose a pga_aggregate_target value where Estd PGA Over alloc Count is 0

PGA Target Est (MB)	Size Factr	W/A MB Processed	Estd Extra W/A MB Read/ Written to Disk	Estd PGA Cache Hit %	Estd PGA Overalloc Count
256	0.13	10,146,316.49	4,613,139.27	69.00	364,497
512	0.25	10,146,316.49	4,612,177.47	69.00	364,453
1,024	0.50	10,146,316.49	4,600,854.29	69.00	364,032
1,536	0.75	10,146,316.49	3,498,672.30	74.00	264,517
2,048	1.00	10,146,316.49	175,039.47	98.00	957
2,458	1.20	10,146,316.49	141,836.08	99.00	355
2,867	1.40	10,146,316.49	141,836.08	99.00	1
3,277	1.60	10,146,316.49	141,836.08	99.00	0
3,686	1.80	10,146,316.49	141,836.08	99.00	0
4,096	2.00	10,146,316.49	141,836.08	99.00	0
6,144	3.00	10,146,316.49	141,836.08	99.00	0
8,192	4.00	10,146,316.49	141,836.08	99.00	0
12,288	6.00	10,146,316.49	141,836.08	99.00	0
16,384	8.00	10,146,316.49	141,836.08	99.00	0

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Shared Pool Advisory

- **SP: Shared Pool Est LC: Estimated Library Cache Factr: Factor**
- **Note there is often a 1:Many correlation between a single logical object in the Library Cache, and the physical number of memory objects associated with it. Therefore comparing the number of Lib Cache objects (e.g. in v\$librarycache), with the number of Lib Cache Memory Objects is invalid.**

Shared Pool Size(M)	SP Size Factr	Est LC Size (M)	Est LC Mem Obj	Est LC Time Saved (s)	Est LC Time Saved Factr	Est LC Load Time (s)	Est LC Load Time Factr	Est LC Mem Obj Hits
1,328	0.48	327	6,354	339,956,900	0.94	25,620,495	12.54	3,388,627,548
1,616	0.58	582	10,036	347,831,594	0.96	17,745,801	8.69	3,461,803,883
1,904	0.69	869	15,717	350,818,575	0.97	14,758,820	7.22	3,482,004,856
2,192	0.79	1,148	23,249	353,345,882	0.97	12,231,513	5.99	3,487,804,818
2,480	0.90	1,429	30,006	358,060,005	0.98	7,517,390	3.68	3,491,621,590
2,768	1.00	1,715	37,559	363,534,303	1.00	2,043,092	1.00	3,494,635,832
3,056	1.10	1,997	45,424	368,313,898	1.01	1	0.00	3,497,060,479
3,344	1.21	2,281	53,314	372,243,561	1.02	1	0.00	3,499,031,190
3,632	1.31	2,570	60,100	375,235,217	1.03	1	0.00	3,500,621,111
3,920	1.42	2,854	68,606	377,579,548	1.04	1	0.00	3,501,921,156
4,208	1.52	3,150	77,684	379,393,300	1.04	1	0.00	3,502,985,276
4,496	1.62	3,440	85,595	381,138,201	1.05	1	0.00	3,503,866,789
4,784	1.73	3,727	92,889	383,151,828	1.05	1	0.00	3,504,611,105
5,072	1.83	4,015	100,792	385,083,342	1.06	1	0.00	3,505,243,989
5,360	1.94	4,302	108,791	386,719,216	1.06	1	0.00	3,505,779,751
5,648	2.04	4,591	118,598	388,006,951	1.07	1	0.00	3,506,235,660

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SGA Target Advisory

SGA Target Size (M)	SGA Size Factor	Est DB Time (s)	Est Physical Reads
6,400	0.25	229,310,463	41,170,331,268
12,800	0.50	185,485,001	34,719,716,144
19,200	0.75	143,339,327	25,479,540,680
25,600	1.00	115,848,459	19,453,000,977
32,000	1.25	102,108,855	16,441,676,426
38,400	1.50	95,632,934	15,021,607,354
44,800	1.75	92,435,517	14,321,299,319
51,200	2.00	89,852,097	13,755,216,991

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Streams Pool Advisory

No data exists for this section of the report.

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Java Pool Advisory

No data exists for this section of the report.

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Wait Statistics

- [Buffer Wait Statistics](#)
- [Enqueue Activity](#)

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Buffer Wait Statistics

- ordered by wait time desc, waits desc

Class	Waits	Total Wait Time (s)	Avg Time (ms)
data block	266,107	8,651	33
segment header	25	2	77
1st level bmb	7	2	214
2nd level bmb	14	1	55
undo block	464	1	1
undo header	68	0	0

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Enqueue Activity

- only enqueues with waits are shown
- Enqueue stats gathered prior to 10g should not be compared with 10g data
- ordered by Wait Time desc, Waits desc

Enqueue Type (Request Reason)	Requests	Succ Gets	Failed Gets	Waits	Wt Time (s)	Av Wt Time(ms)
TX-Transaction (row lock contention)	1,085	842	233	808	4,600	5,693.44
TX-Transaction (index contention)	13,078	13,077	0	1,706	72	42.24
WL-Being Written Redo Log	23	15	8	10	53	5,341.40
CF-Controlfile Transaction	19,004	18,922	82	475	28	58.91
HW-Segment High Water Mark	29,108	29,034	74	1,337	3	1.98
US-Undo Segment	5,519	5,519	0	4,687	1	0.30
TM-DML	419,352	419,343	0	3,244	1	0.37
TT-Tablespace	72,847	72,847	0	2,458	1	0.31
FB-Format Block	1,626	1,626	0	772	0	0.41
RO-Multiple Object Reuse (fast object reuse)	9	9	0	3	0	58.00
TO-Temp Object	6,722	6,722	0	180	0	0.39
PS-PX Process Reservation	227	227	0	98	0	0.65
TA-Instance Undo	47	47	0	47	0	0.45
SQ-Sequence Cache	3,547	3,547	0	36	0	0.50
CT-Block Change Tracking (state)	22	22	0	21	0	0.48
PI-Remote PX Process Spaw n Status	14	14	0	14	0	0.57
RS-Reclaimable Space (prevent file delete)	26	26	0	10	0	0.30
WF-AWR Flush	35	35	0	9	0	0.33
FU-DBFUS	1	1	0	1	0	2.00
TQ-Queue table enqueue (TM contention)	4	4	0	4	0	0.25
PW-Buffer Cache PreWarm (flush prewarm buffers)	2	2	0	2	0	0.00

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Undo Statistics

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Undo Segment Summary

- Min/Max TR(mins) - Min and Max Tuned Retention (minutes)
- STO - Snapshot Too Old count, OOS - Out of Space count
- Undo segment block stats:

- [Parent Latch Statistics](#)
- [Child Latch Statistics](#)

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Latch Activity

- "Get Requests", "Pct Get Miss" and "Avg Slps/Miss" are statistics for willing-to-wait latch get requests
- "NoWait Requests", "Pct NoWait Miss" are for no-wait latch get requests
- "Pct Misses" for both should be very close to 0.0

Latch Name	Get Requests	Pct Get Miss	Avg Slps /Miss	Wait Time (s)	NoWait Requests	Pct NoWait Miss
ASM db client latch	4,248	0.00		0	0	
AWR Alerted Metric Element list	159,618	0.00		0	0	
Consistent RBA	137,400	0.00	0.00	0	0	
FAL request queue	164	0.00		0	0	
FAL subheap allocation	164	0.00		0	0	
FIB s.o chain latch	674	0.00		0	0	
FOB s.o list latch	15,224	0.45	0.00	0	0	
JS Sh mem access	16	0.00		0	0	
JS broadcast add buf latch	1,649	0.00		0	0	
JS broadcast drop buf latch	1,649	0.00		0	0	
JS broadcast load blnc latch	1,444	0.00		0	0	
JS mem alloc latch	20	0.00		0	0	
JS queue access latch	20	0.00		0	0	
JS queue state obj latch	43,320	0.00		0	0	
KCL gc element parent latch	23,526,551	0.02	0.01	0	1,156	0.00
KJC message pool free list	260,942	0.01	0.00	0	62,125	0.00
KJCT flow control latch	6,023,637	0.00	0.00	0	0	
KMG MMAN ready and startup request latch	2,394	0.00		0	0	
KSXR large replies	480	0.00		0	0	
KTF sga latch	29,461	0.00		0	2,416	0.00
KWQMN job cache list latch	571	0.00		0	0	
MQL Tracking Latch	0			0	144	0.00
Memory Management Latch	0			0	2,394	0.00
OS process	2,322	0.00		0	0	
OS process allocation	3,945	0.00		0	0	
OS process: request allocation	1,475	0.00		0	0	
PL/SQL warning settings	28,662	0.00		0	0	
SGA IO buffer pool latch	134,021	0.06	0.00	0	134,022	0.01
SQL memory manager latch	2	0.00		0	2,036	0.00
SQL memory manager workarea list latch	158,358	0.00		0	0	
Shared B-Tree	254	0.00		0	0	
X\$KSFQP	51	0.00		0	0	
active checkpoint queue latch	188,531	0.19	0.00	0	0	
active service list	17,875	0.02	0.00	0	2,968	0.00

archive control	307	0.00		0	0	
archive process latch	2,199	0.00		0	0	
begin backup scn array	56	0.00		0	0	
business card	66	0.00		0	0	
cache buffer handles	3,187,931	0.11	0.00	0	0	
cache buffers lru chain	1,824,408	0.12	0.01	0	11,901,060	0.12
cache table scan latch	0			0	243,559	0.03
channel handle pool latch	27,054	0.03	0.00	0	0	
channel operations parent latch	2,602,384	0.08	0.00	0	0	
checkpoint queue latch	6,989,944	0.00	0.00	0	739,363	0.00
client/application info	4,131	0.00		0	0	
commit callback allocation	12,907	0.00		0	0	
compile environment latch	244,725	0.00		0	0	
dictionary lookup	1	0.00		0	0	
dml lock allocation	838,901	0.06	0.00	0	0	
dummy allocation	1,577	0.06	0.00	0	0	
enqueue hash chains	2,955,749	0.03	0.00	0	76,616	0.00
enqueues	726,861	0.87	0.00	0	0	
error message lists	141	0.00		0	0	
event group latch	739	0.00		0	0	
file cache latch	10,589	0.00		0	0	
gcs drop object freelist	288	2.43	0.00	0	0	
gcs opaque info freelist	235,338	0.01	0.00	0	0	
gcs partitioned table hash	11,327,461	0.00		0	0	
gcs remastering latch	83	0.00		0	0	
gcs resource freelist	6,384,328	0.01	0.00	0	1,814,621	0.00
gcs resource hash	16,864,964	0.00	0.00	0	0	
gcs shadows freelist	1,819,003	0.00	0.00	0	1,839,458	0.00
ges caches resource lists	1,357,527	0.02	0.00	0	956,094	0.01
ges deadlock list	97,940	0.00	0.00	0	254	0.00
ges domain table	1,910,447	0.00	0.00	0	0	
ges enqueue table freelist	1,928,982	0.00	0.00	0	0	
ges group table	2,843,252	0.00	0.00	0	0	
ges process hash list	18,144	0.00		0	0	
ges process parent latch	4,099,661	0.00	0.00	0	8	0.00
ges process table freelist	1,475	0.00		0	0	
ges resource hash list	2,737,231	0.08	0.00	0	237,596	0.03
ges resource scan list	4,911	0.00		0	0	
ges resource table freelist	329,415	0.00	0.00	0	0	
ges timeout list	60,956	0.00		0	64,550	0.00
global KZLD latch for mem in SGA	518	0.00		0	0	
global ctx hash table latch	770,571	0.00		0	0	
global tx hash mapping	118	0.00		0	0	
hash table column usage latch	562	0.00		0	149,710	0.00
hash table modification latch	525	0.00		0	0	
i/o slave adaptor	2	0.00		0	0	
kks stats	232,103	0.00	0.00	0	0	

krbmros1	332	0.00		0	0	
ksfv subheap	2	0.00		0	0	
ksuosstats global area	483	0.00		0	0	
ktm global data	14,197	0.00		0	0	
kw qbsn:qsga	254	0.00		0	0	
lgw r LWNSCN	137,597	0.08	0.00	0	0	
library cache	15,739,101	0.11	0.00	0	204,167	0.02
library cache load lock	37,119	0.02	0.00	0	3	0.00
library cache lock	8,479,228	0.01	0.00	0	0	
library cache lock allocation	35,889	0.00		0	0	
library cache pin	7,009,152	0.01	0.00	0	4	0.00
library cache pin allocation	7,887	0.00		0	0	
list of block allocation	54,354	0.00	0.00	0	0	
loader state object freelist	13,760	0.00		0	0	
longop free list parent	19,052	0.00		0	40	0.00
message pool operations parent latch	26,995	0.04	0.00	0	0	
messages	1,271,395	0.08	0.00	0	0	
mostly latch-free SCN	153,597	7.41	0.00	0	0	
multiblock read objects	619,025	0.01	0.00	0	0	
name-service memory objects	23,426	0.00		0	0	
name-service namespace bucket	65,111	0.00		0	0	
name-service namespace objects	20	0.00		0	0	
name-service pending queue	19,138	0.00		0	0	
name-service request	84	0.00		0	0	
name-service request queue	81,234	0.00		0	0	
ncodef allocation latch	142	0.00		0	0	
object queue header heap	104,800	0.00		0	111,927	0.00
object queue header operation	13,754,093	0.02	0.02	0	0	
object stats modification	24,915	0.00	0.00	0	0	
parallel query alloc buffer	1,640	0.00		0	0	
parallel query stats	150	0.00		0	0	
parallel txn reco latch	5,499	0.00		0	0	
parameter list	4,471	0.00		0	0	
parameter table allocation management	795	0.25	0.00	0	0	
post/w ait queue	413,084	2.76	0.00	0	196,105	0.01
process allocation	53,829	0.00	0.00	0	737	0.27
process group creation	1,475	0.00		0	0	
process queue	385	0.00		0	0	
process queue reference	31,360	0.00		0	4,626	0.00
qmn task queue latch	1,016	0.00		0	0	
query server freelists	337	0.00		0	0	
query server process	14	0.00		0	14	0.00
queued dump request	34,290	0.00		0	0	
redo allocation	436,748	0.17	0.00	0	10,026,725	0.16
redo copy	0			0	10,031,337	0.02

redo writing	626,028	0.06	0.00	0	0	
resmgr group change latch	1,164	0.00		0	0	
resmgr:actses active list	1,571	0.00		0	0	
resmgr:actses change group	696	0.00		0	0	
resmgr:free threads list	1,569	0.06	0.00	0	0	
resmgr:schema config	2	0.00		0	0	
row cache objects	9,669,361	0.15	0.00	0	20,226	0.07
rules engine aggregate statistics	15	0.00		0	0	
rules engine rule set statistics	30	0.00		0	0	
sequence cache	1,587,105	0.05	0.00	0	0	
session allocation	909,739	1.02	0.00	0	0	
session idle bit	45,395,687	0.01	0.00	0	0	
session queue latch	6	0.00		0	0	
session state list latch	1,396	0.36	0.00	0	0	
session switching	142	0.00		0	0	
session timer	2,967	0.00		0	0	
shared pool	3,694,221	0.06	0.06	0	0	
shared pool simulator	2,494,929	0.00	0.09	0	0	
simulator hash latch	164,494,390	0.00	0.00	0	0	
simulator lru latch	163,627,528	0.66	0.00	0	306,226	0.02
slave class	5	0.00		0	0	
slave class create	20	5.00	1.00	0	0	
sort extent pool	91,117	0.10	0.00	0	0	
state object free list	24	0.00		0	0	
statistics aggregation	224	0.00		0	0	
temp lob duration state obj allocation	4	0.00		0	0	
temporary table state object allocation	45	0.00		0	0	
threshold alerts latch	11,650	0.00		0	0	
transaction allocation	504,610	0.00		0	0	
transaction branch allocation	241	0.00		0	0	
undo global data	2,852,427	0.03	0.00	0	3	0.00
user lock	2,074	0.00		0	0	

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Latch Sleep Breakdown

- ordered by misses desc

Latch Name	Get Requests	Misses	Sleeps	Spin Gets	Sleep1	Sleep2	Sleep3
cache buffers chains	-5,822,419,986	57,709,290	37,624	57,684,130	0	0	0
simulator lru latch	163,627,528	1,079,263	3	1,079,260	0	0	0
library cache	15,739,101	17,942	5	17,937	0	0	0
KCL gc element parent latch	23,526,551	4,644	37	4,609	0	0	0
session idle bit	45,395,687	4,021	20	4,004	0	0	0

object queue header operation	13,754,093	2,485	38	2,447	0	0	0
shared pool	3,694,221	2,352	143	2,212	0	0	0
cache buffers lru chain	1,824,408	2,183	11	2,172	0	0	0
channel operations parent latch	2,602,384	2,033	1	2,032	0	0	0
shared pool simulator	2,494,929	79	7	72	0	0	0
slave class create	20	1	1	0	0	0	0

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Latch Miss Sources

- only latches with sleeps are shown
- ordered by name, sleeps desc

Latch Name	Where	NoWait Misses	Sleeps	Waiter Sleeps
KCL_gc element parent latch	kclnfdnewm	0	358	52
KCL_gc element parent latch	kclplz	0	6	50
KCL_gc element parent latch	kclrw rite	0	6	9
KCL_gc element parent latch	kclfw rite1	0	2	12
KCL_gc element parent latch	KCLUNLNK	0	1	99
KCL_gc element parent latch	kclnfd	0	1	1
KCL_gc element parent latch	kclulb	0	1	75
active service list	ksw s_event: ksws event	0	1	1
cache buffers chains	kcbgtr: kslbegin excl	0	79,669	78,814
cache buffers chains	kcbrls: kslbegin	0	8,685	10,226
cache buffers chains	kcbgtr: kslbegin shared	0	3,406	2,899
cache buffers chains	kcbzw b	0	1,513	1,474
cache buffers chains	kcbchg: kslbegin: buf s not pinned	0	1,199	818
cache buffers chains	kcbgtr: fast path	0	1,018	968
cache buffers chains	kcbget: pin buffer	0	103	69
cache buffers chains	kcbzgb: scan from tail. now ait	0	64	0
cache buffers chains	kcbgcur: kslbegin	0	53	32
cache buffers chains	kcbzib: multi-block read: now ait	0	25	0
cache buffers chains	kclebs_1	0	14	15
cache buffers chains	kcbzib: finish free buf s	0	7	1
cache buffers chains	kcbxsv	0	4	4
cache buffers chains	kcbchg: kslbegin: call CR func	0	3	368
cache buffers chains	kclcls_3	0	3	0
cache buffers chains	kcbbic2	0	1	0
cache buffers chains	kcbgtr	0	1	0
cache buffers chains	kcbnew : new latch again	0	1	0
cache buffers chains	kcbnlc	0	1	5
cache buffers lru chain	kcbzgw s	0	11	0
channel operations parent latch	ksrapublish()	0	1	0
library cache	kglic	0	1	0
library cache	kglobpn: child:	0	1	1

library cache lock	kgllkdl: child: no lock handle	0	3	0
object queue header operation	kcbo_sw itch_mq_bg	0	54	83
object queue header operation	kcbo_sw itch_q_bg	0	43	12
object queue header operation	kcbw_unlink_q	0	35	16
object queue header operation	kcbw_link_q	0	27	7
object queue header operation	kcbo_sw itch_cq	0	5	35
object queue header operation	kcbo_ivbo	0	1	8
session idle bit	ksupuc: set busy	0	19	7
session idle bit	ksupuc: clear busy	0	10	21
shared pool	kghupr1	0	132	112
shared pool	kghalo	0	9	21
shared pool	kghalp	0	1	3
shared pool	kghfrunp: alloc: wait	0	1	0
shared pool simulator	kglsim_unpin_simhp	0	7	4
simulator lru latch	kcbs_simulate: simulate set	0	3	3
slave class create	ksvcreate	0	1	0

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Parent Latch Statistics

No data exists for this section of the report.

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Child Latch Statistics

No data exists for this section of the report.

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Segment Statistics

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- [Segments by Physical Reads](#)
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Segments by Logical Reads

- Total Logical Reads: 1,709,099,632
- Captured Segments account for 87.9% of Total

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Logical Reads	%Total
V500	I_A_MEDIUM	XPKFILL_PRINT_ORD_HX		INDEX	358,033,024	20.95
V500	I_R_SMALL	XPKGL_ALIAS		INDEX	298,466,608	17.46
V500	D_R_SMALL	GL_ALIAS		TABLE	295,509,536	17.29
V500	D_A_SMALL	PFT_EVENT_OCCUR_LOG		TABLE	124,912,160	7.31
V500	D_R_MEDIUM	FREQUENCY_SCHEDULE		TABLE	66,493,952	3.89

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Segments by Physical Reads

- Total Physical Reads: 4,450,212
- Captured Segments account for 76.9% of Total

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Physical Reads	%Total
V500	D_ENCOUNTER0077	ENCOUNTER		TABLE	1,978,322	44.45
V500	D_A_MEDIUM	ENCNTR_INFO		TABLE	554,698	12.46
V500	D_CLINICAL_EVE1333	CLINICAL_EVENT		TABLE	260,706	5.86
V500	I_CLINICAL_EVE1333	XIE24CLINICAL_EVENT		INDEX	52,727	1.18
V500	D_ADDRESS	ADDRESS		TABLE	50,125	1.13

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Segments by Row Lock Waits

- % of Capture shows % of row lock waits for each top segment compared
- with total row lock waits for all segments captured by the Snapshot

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Row Lock Waits	% of Capture
V500	I_A_SMALL	XIE5GL_TRANS_LOG		INDEX	1,918	17.94
V500	D_A_MEDIUM	OMF_APP_CTX_DAY_ST		TABLE	546	5.11
V500	I_CHARGE_EVENT0034	XIE8CHARGE_EVENT		INDEX	472	4.42
V500	I_A_SMALL	XIE3GL_TRANS_LOG		INDEX	406	3.80
V500	I_CE_EVENT_PRS2966	XAK1CE_EVENT_PRSNL		INDEX	334	3.12

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Segments by ITL Waits

- % of Capture shows % of ITL waits for each top segment compared
- with total ITL waits for all segments captured by the Snapshot

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	ITL Waits	% of Capture
V500	I_CLINICAL_EVE1333	XAK1CLINICAL_EVENT		INDEX	8	10.13
V500	I_CE_EVENT_PRS2966	XIE1CE_EVENT_PRSNL		INDEX	7	8.86
V500	I_A_SMALL	XIF3PFT_TRANS_RELTN		INDEX	6	7.59
V500	I_CE_EVENT_PRS2966	XAK1CE_EVENT_PRSNL		INDEX	4	5.06
V500	I_CLINICAL_EVE1333	XIE18CLINICAL_EVENT		INDEX	4	5.06

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Segments by Buffer Busy Waits

- % of Capture shows % of Buffer Busy Waits for each top segment compared
- with total Buffer Busy Waits for all segments captured by the Snapshot

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Buffer Busy Waits	% of Capture
V500	I_A_SMALL	XIF3PFT_TRANS_RELTN		INDEX	196	10.30
V500	I_A_SMALL	XIE3GL_TRANS_LOG		INDEX	184	9.67
V500	D_A_SMALL	APPLICATION_CONTEXT		TABLE	156	8.20
V500	D_A_LARGE	CQM_OENINTERFACE_TR_1		TABLE	143	7.52
V500	I_A_SMALL	XPKGGL_TRANS_LOG		INDEX	138	7.26

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Segments by Global Cache Buffer Busy

- % of Capture shows % of GC Buffer Busy for each top segment compared
- with GC Buffer Busy for all segments captured by the Snapshot

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	GC Buffer Busy	% of Capture
V500	D_ENCOUNTER0077	ENCOUNTER		TABLE	131,108	54.17
V500	D_CLINICAL_EVE1333	CLINICAL_EVENT		TABLE	25,842	10.68
V500	D_A_MEDIUM	ENCNTR_INFO		TABLE	18,223	7.53
V500	I_CLINICAL_EVE1333	XIE9CLINICAL_EVENT		INDEX	12,892	5.33
V500	D_R_MEDIUM	BILL_ITEM_MODIFIER		TABLE	10,002	4.13

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Segments by CR Blocks Received

- Total CR Blocks Received: 5,330
- Captured Segments account for 66.8% of Total

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	CR Blocks Received	%Total
V500	D_R_W002	LH_D_PERSON		TABLE	2,152	40.38

V500	D_A_SMALL	CCL_REPORT_AUDIT		TABLE	1,006	18.87
SYS	SYSTEM	HISTGRM\$		TABLE	240	4.50
V500	D_R_W002	LH_D_PERSONNEL		TABLE	83	1.56
SYS	SYSTEM	CDEF\$		TABLE	16	0.30

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Segments by Current Blocks Received

- Total Current Blocks Received: 182,322
- Captured Segments account for 89.1% of Total

Owner	Tablespace Name	Object Name	Subobject Name	Obj. Type	Current Blocks Received	%Total
V500	D_A_LARGE	CQM_OENINTERFACE_TR_1		TABLE	49,585	27.20
V500	D_ENCOUNTER0077	ENCOUNTER		TABLE	18,668	10.24
V500	D_R_MEDIUM	NAME_VALUE_PREFS		TABLE	10,710	5.87
V500	D_R_MEDIUM	PREFDIR_ENTRYDATA		TABLE	8,824	4.84
V500	D_PERSON4859	PERSON		TABLE	8,156	4.47

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Dictionary Cache Statistics

- [Dictionary Cache Stats](#)
- [Dictionary Cache Stats \(RAC\)](#)

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Dictionary Cache Stats

- "Pct Misses" should be very low (<2% in most cases)
- "Final Usage" is the number of cache entries being used

Cache	Get Requests	Pct Miss	Scan Reqs	Pct Miss	Mod Reqs	Final Usage
dc_aw_r_control	129	0.78	0		3	1
dc_database_links	526	2.66	0		0	2
dc_files	692	100.00	0		0	0
dc_global_oids	173	29.48	0		0	0
dc_histogram_data	28,879	8.72	0		0	663
dc_histogram_defs	22,398	12.95	0		0	610
dc_object_grants	66	50.00	0		0	0
dc_object_ids	1,052,436	1.12	0		0	3,290
dc_objects	164,626	3.40	0		1	981
dc_profiles	519	0.00	0		0	1
dc_rollback_segments	13,367	0.00	0		0	120

dc_segments	394,464	4.67	0		57	2,613
dc_sequences	3,665	5.38	0		3,665	22
dc_table_scns	1,460	0.07	0		0	3
dc_tablespace_quotas	11	81.82	0		11	1
dc_tablespaces	814,610	0.00	0		0	233
dc_usernames	34,269	0.04	0		0	4
dc_users	567,923	0.00	0		0	30
kqlsubheap_object	4	100.00	0		0	1
outstanding_alerts	5,722	98.25	0		15	464

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Dictionary Cache Stats (RAC)

Cache	GES Requests	GES Conflicts	GES Releases
dc_aw_r_control	7	1	0
dc_database_links	14	0	12
dc_files	692	0	692
dc_global_oids	51	0	53
dc_histogram_defs	2,901	0	2,799
dc_object_ids	11,754	0	11,661
dc_objects	5,603	0	5,555
dc_segments	18,530	2	18,473
dc_sequences	7,330	7	188
dc_table_scns	1	0	1
dc_tablespace_quotas	22	0	8
dc_usernames	15	0	15
dc_users	9	0	9
kqlsubheap_object	4	0	4
outstanding_alerts	11,269	2,826	2,790

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Library Cache Statistics

- [Library Cache Activity](#)
- [Library Cache Activity \(RAC\)](#)

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Library Cache Activity

- "Pct Misses" should be very low

Namespace	Get Requests	Pct Miss	Pin Requests	Pct Miss	Reloads	Invali- dations
BODY	3,661	0.38	381,590	0.00	4	0
CLUSTER	249	2.41	385	2.34	3	0

INDEX	90	47.78	273	16.12	1	0
SQL AREA	25,179	96.88	14,294,010	0.92	24,297	2,631
TABLE/PROCEDURE	34,690	4.49	1,962,203	0.84	6,120	0
TRIGGER	94,772	0.62	926,610	0.21	1,309	0

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Library Cache Activity (RAC)

Namespace	GES Lock Requests	GES Pin Requests	GES Pin Releases	GES Inval Requests	GES Invalidations
CLUSTER	385	7	7	7	0
INDEX	273	46	43	45	0
TABLE/PROCEDURE	124,084	1,421	1,293	1,279	0

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Memory Statistics

- [Process Memory Summary](#)
- [SGA Memory Summary](#)
- [SGA breakdown difference](#)

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Process Memory Summary

- **B:** Begin snap **E:** End snap
- All rows below contain absolute values (i.e. not diffed over the interval)
- Max Alloc is Maximum PGA Allocation size at snapshot time
- Hist Max Alloc is the Historical Max Allocation for still-connected processes
- ordered by Begin/End snapshot, Alloc (MB) desc

	Category	Alloc (MB)	Used (MB)	Avg Alloc (MB)	Std Dev Alloc (MB)	Max Alloc (MB)	Hist Max Alloc (MB)	Num Proc	Num Alloc
B	Other	2,038.06		2.49	7.83	182	270	820	820
	Freeable	293.81	0.00	0.65	0.72	14		455	455
	SQL	64.95	30.26	0.08	0.11	2	546	799	795
	PL/SQL	30.03	20.33	0.04	0.02	0	0	820	819
E	Other	1,987.85		2.41	7.26	182	268	825	825
	Freeable	294.81	0.00	0.67	0.75	14		442	442
	SQL	68.92	33.11	0.09	0.14	3	546	804	800
	PL/SQL	30.77	20.43	0.04	0.02	0	0	825	824

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SGA Memory Summary

SGA regions	Begin Size (Bytes)	End Size (Bytes) (if different)
Database Buffers	23,907,532,800	
Fixed Size	2,152,384	
Redo Buffers	14,622,720	
Variable Size	19,025,365,056	

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SGA breakdown difference

- ordered by Pool, Name
- NA value for Begin MB or End MB indicates the size of that Pool/Name was insignificant, or zero in that snapshot

Pool	Name	Begin MB	End MB	% Diff
java	free memory	16.00	16.00	0.00
large	PX msg pool	1.03	1.03	0.00
large	free memory	14.97	14.97	0.00
shared	ASH buffers	45.50	45.50	0.00
shared	CCursor	67.14	67.33	0.28
shared	Checkpoint queue	55.90	55.90	0.00
shared	KQR X PO	62.51	62.55	0.07
shared	PCursor	49.40	50.71	2.66
shared	db_block_hash_buckets	180.00	180.00	0.00
shared	free memory	497.35	496.45	-0.18
shared	gcs resources	457.33	457.33	0.00
shared	gcs shadows	288.07	288.07	0.00
shared	ktcmvcb	430.86	431.03	0.04
shared	library cache	75.01	75.04	0.05
shared	sql area	642.44	641.83	-0.09
	buffer_cache	22,800.00	22,800.00	0.00
	fixed_sga	2.05	2.05	0.00
	log_buffer	13.95	13.95	0.00

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Streams Statistics

- [Streams CPU/IO Usage](#)
- [Streams Capture](#)
- [Streams Apply](#)
- [Buffered Queues](#)
- [Buffered Subscribers](#)
- [Rule Set](#)

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Streams CPU/IO Usage

No data exists for this section of the report.

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Streams Capture

No data exists for this section of the report.

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Streams Apply

No data exists for this section of the report.

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Buffered Queues

No data exists for this section of the report.

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Buffered Subscribers

No data exists for this section of the report.

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Rule Set

No data exists for this section of the report.

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Resource Limit Stats

- only rows with Current or Maximum Utilization > 80% of Limit are shown
- ordered by resource name

Resource Name	Current Utilization	Maximum Utilization	Initial Allocation	Limit
gcs_resources	465,716	3,071,159	3113492	3113492

gcs_shadows	1,737,828	3,113,348	3113492	3113492
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init.ora Parameters

Parameter Name	Begin value	End value (if different)
O7_DICTIONARY_ACCESSIBILITY	TRUE	
_gc_affinity_time	0	
_memory_broker_stat_interval	604800	
audit_file_dest	/u02/oracle/admin/prod/udump/prod1	
background_dump_dest	/u02/oracle/admin/prod/bdump/prod1	
backup_tape_io_slaves	TRUE	
cluster_database	TRUE	
compatible	10.2.0.3	
control_file_record_keep_time	14	
control_files	/dev/rprod_ctl_001,/dev/rprod_ctl_002,/dev/rprod_ctl_003, /dev/rprod_ctl_004	
core_dump_dest	/u02/oracle/admin/prod/cdump/prod1	
cursor_space_for_time	FALSE	
db_block_size	8192	
db_cache_size	0	
db_domain	world	
db_file_multiblock_read_count	16	
db_files	4088	
db_name	prod	
db_recycle_cache_size	117440512	
dml_locks	2000	
event	10841 trace name context forever, 10298 trace name context forever, level 32	
fast_start_mttr_target	1000	
global_names	FALSE	
instance_name	prod1	
instance_number	1	
java_pool_size	0	
job_queue_processes	0	
log_archive_dest	/u02/oracle/admin/prod/arch/prod1	
log_archive_format	prod%t_%r_%S.arc	
log_buffer	14179328	
log_checkpoint_interval	0	
max_dump_file_size	2147483647	
nls_date_format	DD-MON-YYYY HH24:MI:SS	
open_cursors	2000	
optimizer_index_caching	100	
optimizer_index_cost_adj	1	
optimizer_mode	rule	
pga_aggregate_target	2147483648	

processes	1500	
remote_login_password_file	EXCLUSIVE	
session_cached_cursors	50	
sga_max_size	42949672960	
sga_target	26843545600	
shared_pool_size	0	
sort_area_retained_size	5242880	
sort_area_size	5242880	
spfile	/dev/rprod1_spfile	
thread	1	
timed_statistics	TRUE	
undo_management	AUTO	
undo_retention	9000	
undo_tablespace	undo	
user_dump_dest	/u02/oracle/admin/prod/udump/prod1	
workarea_size_policy	AUTO	

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Global Enqueue Statistics

Statistic	Total	per Second	per Trans
acks for commit broadcast(actual)	3,315	0.46	0.02
acks for commit broadcast(logical)	4,630	0.64	0.03
broadcast msgs on commit(actual)	137,269	19.11	0.76
broadcast msgs on commit(logical)	137,333	19.12	0.76
broadcast msgs on commit(wasted)	5,806	0.81	0.03
dynamically allocated gcs resources	0	0.00	0.00
dynamically allocated gcs shadows	0	0.00	0.00
false posts waiting for scn acks	0	0.00	0.00
flow control messages received	0	0.00	0.00
flow control messages sent	0	0.00	0.00
gcs assume cvt	0	0.00	0.00
gcs assume no cvt	24,836	3.46	0.14
gcs astxid	0	0.00	0.00
gcs blocked converts	5,981	0.83	0.03
gcs blocked cr converts	21,806	3.04	0.12
gcs compatible basts	305	0.04	0.00
gcs compatible cr basts (global)	634	0.09	0.00
gcs compatible cr basts (local)	113,386	15.79	0.63
gcs cr basts to PIs	0	0.00	0.00
gcs cr serve without current lock	0	0.00	0.00
gcs dbwr flush pi msgs	1,155	0.16	0.01
gcs dbwr write request msgs	726	0.10	0.00
gcs error msgs	0	0.00	0.00
gcs forward cr to pinged instance	0	0.00	0.00
gcs immediate (compatible) converts	34,223	4.77	0.19

gcs immediate (null) converts	140,904	19.62	0.78
gcs immediate cr (compatible) converts	0	0.00	0.00
gcs immediate cr (null) converts	3,972,395	553.12	21.97
gcs indirect ast	279,701	38.95	1.55
gcs lms flush pi msgs	0	0.00	0.00
gcs lms w rite request msgs	69	0.01	0.00
gcs msgs process time(ms)	60,305	8.40	0.33
gcs msgs received	5,090,163	708.76	28.15
gcs out-of-order msgs	0	0.00	0.00
gcs pings refused	0	0.00	0.00
gcs pkey conflicts retry	0	0.00	0.00
gcs queued converts	0	0.00	0.00
gcs recovery claim msgs	0	0.00	0.00
gcs refuse xid	0	0.00	0.00
gcs regular cr	0	0.00	0.00
gcs retry convert request	6	0.00	0.00
gcs side channel msgs actual	13,184	1.84	0.07
gcs side channel msgs logical	1,143,990	159.29	6.33
gcs stale cr	0	0.00	0.00
gcs undo cr	5	0.00	0.00
gcs w rite notification msgs	5	0.00	0.00
gcs w rites refused	0	0.00	0.00
ges msgs process time(ms)	1,303	0.18	0.01
ges msgs received	119,018	16.57	0.66
global posts dropped	0	0.00	0.00
global posts queue time	63	0.01	0.00
global posts queued	19	0.00	0.00
global posts requested	19	0.00	0.00
global posts sent	19	0.00	0.00
implicit batch messages received	406,274	56.57	2.25
implicit batch messages sent	507,962	70.73	2.81
lmd msg send time(ms)	0	0.00	0.00
lms(s) msg send time(ms)	0	0.00	0.00
messages flow controlled	176,940	24.64	0.98
messages queue sent actual	1,275,791	177.64	7.06
messages queue sent logical	2,575,345	358.59	14.24
messages received actual	1,862,786	259.38	10.30
messages received logical	5,209,328	725.35	28.81
messages sent directly	1,121,312	156.13	6.20
messages sent indirectly	2,339,285	325.72	12.94
messages sent not implicit batched	767,899	106.92	4.25
messages sent pbatched	2,977,857	414.64	16.47
msgs causing lmd to send msgs	17,717	2.47	0.10
msgs causing lms(s) to send msgs	261,428	36.40	1.45
msgs received queue time (ms)	10,301	1.43	0.06
msgs received queued	5,209,239	725.34	28.81
msgs sent queue time (ms)	54,890	7.64	0.30

msgs sent queue time on ksxp (ms)	652,839	90.90	3.61
msgs sent queued	2,565,420	357.21	14.19
msgs sent queued on ksxp	2,751,164	383.07	15.22
process batch messages received	628,200	87.47	3.47
process batch messages sent	484,531	67.47	2.68

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Global CR Served Stats

Statistic	Total
CR Block Requests	37,096
CURRENT Block Requests	107
Data Block Requests	37,096
Undo Block Requests	10
TX Block Requests	35
Current Results	37,070
Private results	0
Zero Results	132
Disk Read Results	0
Fail Results	1
Fairness Down Converts	6,695
Fairness Clears	0
Free GC Elements	0
Flushes	365
Flushes Queued	0
Flush Queue Full	0
Flush Max Time (us)	0
Light Works	30
Errors	0

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Global CURRENT Served Stats

- Pins = CURRENT Block Pin Operations
- Flushes = Redo Flush before CURRENT Block Served Operations
- Writes = CURRENT Block Fusion Write Operations

Statistic	Total	% <1ms	% <10ms	% <100ms	% <1s	% <10s
Pins	46,886	100.00	0.00	0.00	0.00	0.00
Flushes	2	0.00	0.00	100.00	0.00	0.00
Writes	1,813	1.49	15.00	37.89	35.91	9.71

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Global Cache Transfer Stats

- Immediate (Immed) - Block Transfer NOT impacted by Remote Processing Delays
- Busy (Busy) - Block Transfer impacted by Remote Contention
- Congested (Congst) - Block Transfer impacted by Remote System Load
- ordered by CR + Current Blocks Received desc

Inst No	Block Class	CR			Current				
		Blocks Received	% Immed	% Busy	% Congst	Blocks Received	% Immed	% Busy	% Congst
2	data block	5,070	99.09	0.91	0.00	181,586	100.00	0.00	0.00
2	Others	155	100.00	0.00	0.00	791	100.00	0.00	0.00
2	undo header	72	100.00	0.00	0.00	5	80.00	20.00	0.00
2	undo block	2	100.00	0.00	0.00	0			

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End of Report