

AVERAGE of duration				prefetch build																
method	fs	machine	backup	manifest	off				on				on				4-prefetch	5-reconstruct-b	6-prefetch-batch	6-prefetch-batch
					0-master	1-alignment	2-clone	3-reconstruct	4-prefetch	5-reconstruct-bat	6-prefetch-batch	4-prefetch	5-reconstruct-bat	6-prefetch-batch						
copy	bcachefs	i5	1% off	372	533	537	528	498	334	320	265	260	435	53%	78%	136%				
			on	386	549	500	542	548	357	385	284	304	353	52%	85%	92%				
			10% off	442	612	679	616	556	444	395	334	293	336	60%	66%	85%				
			on	450	641	659	652	666	470	419	352	262	367	53%	56%	88%				
			20% off	543	797	763	778	782	473	491	362	330	380	46%	70%	77%				
			on	549	774	784	751	795	542	528	292	321	358	37%	59%	68%				
		xeon	1% off	270	265	260	259	264	202	189	204	174	212	77%	86%	112%				
			on	291	273	277	271	275	210	212	207	193	215	75%	92%	102%				
			10% off	304	316	316	325	319	256	247	205	178	182	64%	70%	74%				
			on	326	331	339	315	337	260	248	210	189	196	62%	72%	79%				
			20% off	361	385	402	381	384	297	300	218	193	198	57%	65%	66%				
			on	367	406	425	405	405	315	318	209	192	213	52%	61%	67%				
	btrfs	i5	1% off	135	140	140	145	142	145	145	228	177	180	161%	122%	125%				
			on	143	153	144	148	145	142	147	237	181	186	163%	128%	127%				
			10% off	353	154	157	160	156	347	358	227	204	189	145%	59%	53%				
			on	366	165	166	162	161	359	367	238	210	188	148%	58%	51%				
			20% off	431	186	191	191	189	448	455	227	206	196	120%	46%	43%				
			on	445	193	193	194	192	459	465	236	214	202	123%	47%	43%				
		xeon	1% off	148	138	134	142	122	127	127	198	168	151	162%	133%	119%				
			on	166	163	142	145	132	129	142	203	178	153	154%	138%	107%				
			10% off	149	142	146	143	144	199	197	205	183	150	143%	92%	76%				
			on	162	152	150	147	150	199	200	207	187	165	138%	94%	83%				
			20% off	173	160	164	161	158	245	234	205	179	168	130%	73%	72%				
			on	173	166	170	164	169	261	258	208	193	178	123%	74%	69%				
ext4	i5	1% off	128	128	127	132	128	124	119	193	160	172	150%	129%	145%					
		on	132	135	133	132	129	127	126	192	166	179	149%	131%	142%					
		10% off	311	140	141	142	141	270	283	188	178	170	133%	66%	60%					
		on	321	138	146	148	148	291	288	192	182	178	130%	63%	62%					
		20% off	405	166	168	160	160	369	368	188	175	177	118%	47%	48%					
		on	420	171	160	166	167	367	386	193	185	178	116%	48%	46%					
	xeon	1% off	137	142	147	143	131	136	134	139	122	133	107%	90%	99%					
		on	146	152	153	153	153	149	149	149	137	145	97%	92%	97%					
		10% off	162	155	162	155	167	180	183	142	127	126	85%	71%	69%					
		on	167	175	186	169	170	194	217	160	148	146	94%	76%	67%					
		20% off	188	179	170	182	193	220	232	153	129	125	79%	59%	54%					
		on	196	183	190	196	194	224	224	156	146	146	80%	65%	59%					
xfs	i5	1% off	125	126	129	128	126	128	128	202	163	178	160%	127%	139%					
		on	128	128	131	132	131	130	130	200	168	181	153%	129%	139%					
		10% off	306	140	143	144	141	305	303	200	186	182	141%	61%	60%					
		on	318	144	148	148	145	314	312	199	191	186	138%	61%	60%					
		20% off	398	171	171	172	169	401	403	198	186	181	117%	46%	45%					
		on	412	174	178	177	172	418	414	199	189	186	115%	45%	45%					
	xeon	1% off	158	158	176	183	172	168	182	167	156	176	97%	93%	97%					
		on	165	169	182	191	181	181	188	177	165	191	98%	91%	102%					
		10% off	185	186	196	200	186	211	220	169	158	167	91%	75%	76%					
		on	187	191	207	205	191	222	231	171	168	189	90%	76%	82%					
		20% off	209	228	231	207	207	271	272	168	165	172	81%	61%	63%					
		on	212	222	232	220	220	275	283	192	178	188	87%	65%	67%					
zfs-128k	i5	1% off	139	146	145	147	139	136	139	150	135	141	108%	99%	101%					
		on	136	135	141	135	137	134	137	154	136	135	113%	101%	99%					
		10% off	144	144	143	144	146	143	145	152	143	144	105%	99%	99%					
		on	148	149	146	146	146	143	143	162	148	144	111%	103%	101%					
		20% off	194	194	193	193	193	185	187	172	160	161	89%	87%	86%					
		on	192	201	197	199	195	188	188	180	162	166	92%	86%	88%					
	xeon	1% off	164	138	144	136	137	89	89	157	113	94	114%	127%	106%					
		on	157	147	147	151	149	104	104	177	132	105	119%	127%	101%					
		10% off	166	146	143	141	144	109	110	164	127	116	114%	117%	106%					
		on	174	156	168	156	153	123	120	183	140	127	120%	114%	105%					
		20% off	180	171	169	173	173	139	130	185	150	134	107%	108%	104%					
		on	183	185	181	181	177	172	149	198	168	151	112%	97%	101%					
zfs-default	i5	1% off	50	105	104	105	105	49	105	67	50	125%	138%	102%						
		on	62	118	116	117	118	61	62	145	80	65	123%	131%	105%					
		10% off	65	109	109	110	110	63	68	137	84	70	125%	133%	104%					
		on	80	123	123	124	124	76	76	150	97	83	121%	126%	109%					
		20% off	92	137	136	136	141	94	94	149	98	88	105%	105%	93%					
		on	106	149	148	149	150	107	108	158	112	101	105%	104%	94%					
	xeon	1% off	102	103	103	102	102	55	55	124	74	56	122%	135%	103%					
		on	113	114	114	114	114	69	69	135	87	70	118%	126%	102%					
		10% off	107	106	107	107	106	66	66	129	86	72	121%	130%	108%					
		on	119	118	118	118	118	80	81	140	100	87	119%	125%	107%					
		20% off	112	112	112	112	112	76	77	134	97	86	119%	127%	112%					
		on	124	123	123	123	123	90	91	145	111	100	118%	122%	110%					
zfs-tuned	i5	1% off	264	851	849	842	854	260	259	285	216	206	33%	83%	79%					
		on	281	878	880	881	877	280	274	299	229	221	34%	82%	80%					
		10% off	406	981	983	983	983	409	407	302	232	225	31%	57%	55%					
		on	418	1013	1003	1002	1017	412	420	306	244	239	30%	59%	57%					
		20% off	532	946	943	934	937	541	537	304	248	244	32%	46%	45%					
		on	545	964	951	934	964	550	560	316	260	256	33%	47%	46%					
	xeon	1% off	658	517	522	521	520	219	208	289	214	212	56%	98%	102%					
		on	666	534	536	530	538	232	223	315	232	225	59%	100%	101%					
		10% off	611	445	447	450	451	275	262	286	226	222	63%	82%	85%					
		on	675	461	457	461	468	285	287	291	235	230	62%	83%	80%					
		20% off	605	481	472	468	485	361	363	317	263	252	65%	73%	69%					
		on	711	488	483	483	492	367	375	317	277	271	64%	76%	72%					
copy-file-range	bcachefs	i5	1% off	567	166	171	18	18	243	193	61	142%	1089%	346%						
			on	544	588	568	314	321	285	222	271	50%	71%	85%						
			10% off	678	164	164	37	37	335	242	112	204%	648%	301%						
			on	669	690	712	371	412	305	251	296	43%	68%	72%						
			20% off	785	170	169	55	56	262	261	112	155%	471%	201%						
			on	805	900	812	487	497	353	282	331	43%	58%	67%						
		xeon	1% off	253	158	157	17	17	213	86	37	136%	500%	214%						
			on	283	476	463	14													

			20% off	171	143	143	51	51	221	112	108	155%	220%	211%
			on	176	225	225	404	407	254	148	143	113%	37%	35%
		xeon	1% off	178	157	157	4	4	182	21	6	116%	480%	143%
			on	182	199	204	65	67	220	55	72	108%	84%	107%
			10% off	197	158	157	35	35	187	55	41	119%	157%	117%
			on	201	226	220	135	129	227	89	93	103%	66%	72%
			20% off	233	125	126	45	46	155	62	57	123%	136%	124%
			on	243	219	215	194	206	201	105	109	94%	54%	53%
zfs-128k	i5		1% off	145	135	145	136	136	153	138	135	106%	101%	99%
			on	136	167	166	137	136	189	136	134	113%	99%	99%
			10% off	144	146	145	142	143	162	148	142	111%	105%	99%
			on	145	170	170	145	146	194	148	146	114%	102%	100%
			20% off	192	198	197	190	187	162	164	159	92%	86%	85%
			on	195	220	218	194	196	208	169	166	96%	87%	85%
		xeon	1% off	134	141	148	103	107	160	119	105	108%	115%	98%
			on	149	198	175	117	117	199	152	120	114%	130%	103%
			10% off	143	149	150	115	121	170	134	123	113%	117%	102%
			on	154	182	181	137	138	201	156	141	111%	114%	102%
			20% off	168	179	173	147	149	191	160	148	111%	109%	99%
			on	180	203	204	161	170	230	181	165	113%	112%	97%
zfs-default	i5		1% off	104	117	116	65	65	143	84	66	124%	130%	103%
			on	117	152	152	91	86	179	104	87	118%	114%	102%
			10% off	109	120	122	75	76	149	96	88	122%	128%	116%
			on	127	157	157	100	100	186	120	106	119%	119%	106%
			20% off	137	147	147	108	110	156	111	100	106%	103%	92%
			on	148	183	182	133	133	196	136	125	108%	102%	94%
		xeon	1% off	102	106	107	66	65	129	84	66	121%	128%	102%
			on	114	140	140	83	82	162	102	84	116%	122%	102%
			10% off	107	110	110	74	75	133	94	80	121%	127%	107%
			on	117	144	145	95	93	167	115	99	115%	121%	105%
			20% off	112	116	116	84	84	139	104	93	120%	124%	111%
			on	123	150	152	106	104	176	127	114	116%	120%	109%
zfs-tuned	i5		1% off	844	880	882	397	397	301	226	212	34%	57%	53%
			on	888	954	948	431	439	345	254	242	36%	59%	55%
			10% off	979	1003	1017	464	464	312	243	235	31%	52%	51%
			on	1003	1067	1078	495	490	356	273	267	33%	55%	54%
			20% off	940	962	950	575	558	323	262	256	34%	46%	46%
			on	958	1015	1030	602	611	364	292	288	35%	48%	47%
		xeon	1% off	518	519	656	301	300	300	234	221	46%	78%	74%
			on	536	560	568	332	331	350	244	244	62%	73%	74%
			10% off	448	457	454	299	304	287	236	222	63%	79%	73%
			on	464	680	499	555	322	338	264	253	68%	48%	78%
			20% off	479	477	481	380	377	311	262	259	65%	69%	69%
			on	490	511	520	407	408	353	301	289	68%	74%	71%