

AVERAGE of duration					prefetch						build						off						on					
method	machine	backup	manifest	fs	off						on						off						on					
					0-master	1-alignment	2-clone	3-reconstruct	4-prefetch	5-reconstruct-batch	6-prefetch-batch	4-prefetch	5-reconstruct-batch	6-prefetch-batch	1-alignment	2-clone	3-reconstruct	4-prefetch	5-reconstruct-batch	6-prefetch-batch	4-prefetch	5-reconstruct-batch	6-prefetch-batch					
copy	i5	1% off	btrfs	135.4	140.0	140.3	145.1	141.8	144.6	228.1	177.0	180.1	103%	104%	107%	105%	107%	107%	169%	131%	133%							
				ext4	127.7	127.8	127.2	131.9	128.3	123.9	119.0	193.1	159.9	172.2	100%	100%	103%	100%	97%	93%	151%	125%	135%					
				xf	125.5	125.5	128.6	127.6	126.0	128.0	127.8	202.0	163.2	178.1	100%	103%	102%	101%	102%	102%	162%	131%	143%					
				on	btrfs	142.9	152.9	144.1	148.0	145.4	141.9	147.1	236.5	181.0	186.3	107%	101%	104%	102%	99%	103%	166%	127%	130%				
				ext4	132.0	134.7	132.7	131.9	129.0	127.3	125.6	191.7	166.2	178.9	102%	101%	100%	98%	96%	95%	145%	126%	136%					
				xf	127.5	127.9	131.2	132.2	130.5	130.4	130.5	200.3	167.6	181.3	100%	103%	104%	102%	102%	102%	157%	131%	142%					
			10% off	btrfs	352.6	154.4	157.5	159.8	156.5	346.7	358.2	227.2	203.9	188.7	44%	45%	45%	44%	98%	102%	64%	58%	54%					
			ext4	311.2	140.4	141.2	141.6	141.2	269.8	282.7	187.5	178.0	169.6	45%	45%	45%	45%	87%	91%	60%	57%	54%						
			xf	306.1	140.0	143.1	143.7	141.2	305.2	303.1	199.8	185.8	182.4	46%	47%	47%	46%	100%	99%	65%	61%	60%						
			on	btrfs	366.2	165.5	166.1	162.4	160.9	358.8	367.0	238.0	209.9	188.0	45%	45%	44%	44%	98%	100%	65%	57%	51%					
			ext4	320.7	138.2	145.8	147.6	147.9	291.3	287.9	182.4	177.6	176.6	43%	45%	46%	46%	91%	90%	60%	57%	55%						
			xf	317.6	144.0	147.9	148.3	144.6	313.8	312.1	199.3	190.5	186.3	45%	47%	47%	46%	99%	98%	63%	60%	59%						
		20% off	btrfs	431.3	186.4	190.5	191.1	188.7	447.8	455.3	227.0	206.0	195.7	43%	44%	44%	44%	104%	106%	53%	48%	45%						
		ext4	405.4	166.2	168.5	159.9	159.8	369.0	367.6	188.3	175.1	177.4	41%	42%	39%	39%	91%	91%	46%	43%	44%							
		xf	397.9	171.0	171.4	171.6	169.3	401.4	403.0	198.4	186.3	180.8	43%	43%	43%	43%	101%	101%	50%	47%	45%							
		on	btrfs	445.2	192.6	193.2	193.9	192.3	458.8	464.9	235.7	213.7	201.6	43%	43%	44%	43%	103%	104%	53%	48%	45%						
		ext4	420.3	171.1	159.9	166.3	166.6	386.8	386.5	193.0	185.1	177.7	41%	38%	40%	40%	92%	92%	46%	44%	42%							
		xf	411.6	174.1	177.6	176.5	172.2	417.5	414.5	198.6	189.1	185.9	42%	43%	43%	42%	101%	101%	48%	46%	45%							
		1% off	btrfs	147.9	138.2	133.6	141.6	122.1	126.9	127.1	197.6	168.4	150.9	93%	90%	96%	83%	86%	88%	134%	114%	102%						
		ext4	137.2	141.9	147.4	143.3	130.6	135.6	133.9	139.4	122.1	132.9	103%	107%	104%	95%	99%	98%	102%	89%	97%							
		xf	158.1	157.8	176.4	183.4	172.3	168.5	181.9	166.6	166.6	176.2	100%	112%	116%	109%	107%	115%	105%	99%	111%							
		on	btrfs	165.5	162.5	141.8	145.4	131.9	129.4	142.5	202.6	178.3	152.6	98%	86%	88%	80%	78%	86%	122%	108%	92%						
		ext4	145.5	152.0	152.7	153.2	152.7	148.5	149.3	148.5	147.2	144.9	104%	105%	105%	105%	102%	103%	102%	94%	100%							
		xf	165.1	168.5	182.4	191.2	181.1	181.1	187.5	176.8	137.6	190.9	102%	110%	116%	110%	110%	114%	107%	100%	116%							
	10% off	btrfs	148.9	142.0	145.6	142.5	143.7	199.1	196.5	205.1	182.9	150.3	95%	98%	96%	96%	134%	132%	138%	123%	101%							
	ext4	162.3	154.6	162.4	154.9	166.9	183.3	142.3	126.9	125.9	125.9	95%	100%	95%	103%	111%	113%	88%	78%	78%								
	xf	185.1	186.5	195.7	199.7	186.0	210.6	220.0	169.2	157.9	167.1	101%	106%	108%	100%	114%	119%	91%	85%	90%								
	on	btrfs	162.4	152.0	149.8	147.0	149.8	199.3	200.1	206.9	186.8	165.5	94%	92%	91%	92%	123%	123%	127%	115%	102%							
	ext4	167.3	175.0	185.6	168.7	170.1	193.6	217.3	160.3	147.6	145.6	105%	111%	101%	102%	116%	130%	96%	88%	87%								
	xf	186.5	191.0	206.9	204.6	190.6	222.1	231.2	171.5	168.5	188.6	102%	111%	110%	102%	119%	124%	92%	90%	101%								
	20% off	btrfs	173.1	159.6	163.6	161.4	157.9	244.7	234.1	204.9	179.0	168.0	92%	94%	93%	91%	141%	135%	118%	103%	97%							
	ext4	187.6	179.4	170.4	182.5	193.4	219.6	232.2	153.4	129.2	124.5	96%	91%	97%	103%	117%	124%	82%	69%	66%								
	xf	209.4	228.1	230.9	207.1	207.4	270.5	272.1	168.1	164.7	172.1	109%	110%	99%	99%	129%	130%	80%	79%	82%								
	on	btrfs	172.9	166.1	170.3	164.3	168.5	260.5	257.8	207.9	193.2	178.1	96%	98%	95%	97%	151%	149%	120%	112%	103%							
	ext4	195.7	182.8	189.5	195.7	194.0	224.3	249.0	155.8	145.7	146.0	93%	97%	100%	99%	115%	127%	80%	74%	75%								
	xf	212.3	222.2	231.7	219.5	220.3	275.1	282.5	191.8	177.5	188.2	105%	109%	103%	104%	130%	133%	90%	84%	89%								
	copy-file-range	i5	1% off	btrfs	142.7	59.6	59.5	2.5	2.5	191.6	102.5	91.7	100%	100%	100%	100%	4%	4%	321%	172%	154%							
					ext4	128.2	131.2	126.8	124.6	124.6	188.1	161.1	171.5	97%	95%	95%	143%	143%	123%	131%								
					xf	128.2	176.0	176.1	5.6	5.6	262.9	58.5	58.5	100%	3%	3%	149%	33%	33%	33%								
					on	btrfs	144.2	110.6	113.7	81.7	87.0	210.4	108.9	103.9	103%	74%	79%	190%	99%	94%								
					ext4	134.3	143.7	144.3	134.4	134.4	223.5	175.8	191.4	100%	94%	94%	156%	122%	133%									
					xf	131.7	223.3	223.2	65.4	64.5	295.6	89.4	97.1	100%	29%	29%	132%	40%	43%									
				10% off	btrfs	155.2	61.0	61.0	10.9	10.8	190.4	120.0	101.4	100%	18%	18%	312%	197%	166%									
				ext4	136.6	143.8	141.2	160.8	164.2	188.3	173.1	173.1	98%	112%	114%	131%	119%	120%										
				xf	143.3	172.0	171.9	37.8	37.9	251.6	99.1	86.2	100%	22%	22%	146%	58%	50%										
				on	btrfs	160.9	126.9	126.5	294.5	296.6	213.5	137.5	113.1	100%	232%	234%	168%	108%	89%									
				ext4	142.2	158.3	158.9	185.4	223.7	195.8	191.2	191.2	100%	117%	117%	141%	141%	124%	121%									
				xf	147.6	230.2	230.1	275.3	276.2	290.5	130.7	123.8	100%	120%	120%	126%	57%	54%										
20% off			btrfs	185.8	62.5	61.3	18.3	17.9	186.3	131.6	114.8	98%	29%	29%	298%	210%	184%											
ext4			165.9	166.5	163.9	184.5	189.5	190.3	177.6	177.5	98%	111%	114%	114%	107%	107%												
xf			171.4	142.7	143.0	51.1	51.2	220.9	112.2	108.2	100%	36%	36%	155%	79%	76%												
on			btrfs	195.0	158.3	158.1	402.3	409.8	206.1	142.6	130.7	100%	254%	259%	130%	90%	83%											
ext4			172.1	187.3	187.8	208.8	209.4	225.9	199.7	199.3	100%	112%	112%	121%	107%	106%												
xf			176.4	225.3	225.2	404.3	407.4	254.0	148.0	142.5	100%	179%	181%	113%	66%	63%												
1% off			btrfs	135.8	51.0	56.4	7.1	1.5	97.2	40.6	22.7	111%	14%	3%	191%	80%	45%											
ext4			129.5	147.5	139.9	130.7	130.4	128.0	114.7	133.8	95%	89%	88%	87%	78%	91%												
xf			177.6	156.6	156.6	4.3	4.3	182.3	20.5	6.1	100%	3%	3%	116%	13%	4%												
on			btrfs	146.8	94.0	93.1	45.2	44.2	132.8	68.0	41.1	99%	48%	47%	141%	72%	44%											
ext4			149.6	152.7	145.6	164.2	151.2	158.3	134.9	150.5	95%	108%	99%	104%	88%	99%												
xf			181.8	198.6	204.0	65.2	67.0	220.0	55.0	71.6	103%	33%	34%	111%	28%	36%												
10% off		btrfs	141.6	49.9	49.7	8.4	8.4	96.0	43.1	32.6	100%	17%	17%	192%	86%	65%												
ext4		154.2	155.2	155.1	158.4	145.2	142.4	126.1	119.0	100%	102%	94%	92%	81%	77%													
xf		196.8	157.7	157.0	35.1	35.3	186.8	55.2	41.3	100%	22%	22%	118%	35%	26%													
on		btrfs	147.8	98.1	98.8	110.1	112.4	148.7	74.6	57.5	101%	112%	115%	152%	76%	59%												
ext4		167.9	187.7	169.5	180.2	176.4	161.4	141.3	143.0	90%	96%	94%	86%	75%	76%													
xf		201.3	226.0	220.5	134.9	128.8	227.0	89.3	92.8	98%	60%	57%	100%	39%	41%													
20% off		btrfs	162.4	59.8	61.0	27.0	14.5	105.4	53.9	47.0	102%	45%	24%	176%	90%	79%												
ext4		185.3	178.9	181.9	216.3	216.6	129.2	116.7	131.3	102%	121%	121%	72%	65%	73%													
xf		233.3	124.9	125.5	45.4	45.7	155.0	61.7	56.6	101%	36%	37%	124%	49%	45%													
on		btrfs	173.9	111.8	113.2	161.0	146.7	133.8	83.0	73.1	101%	144%	131%	120%	74%	65%												
ext4		192.0	199.3	188.9	243.3	248.2	161.9	147.1	149.5	95%	122%	124%	81%	74%	75%													
xf		243.5	219.3	214.7	193.9	205.5	201.1	104.6	108.6	98%	88%	94%	92%	48%	50%													