

Benchmark Tests (Direct)							
Test Name	Action Name	Foundation	Seaport	Seaport-1.2	sudoswap	X2Y2	ZeroEx
ERC721 -> ETH List-On-Chain	List	74026(+121%)	36438(+9%)	41438(+24%)	96681(+189%)	✗	33474
	Fulfill	91049(+81%)	55524(+10%)	54884(+9%)	50363	✗	56953(+13%)
ERC721 -> ETH	Fulfill, w/ Sig	✗	75076(+1%)	74580	✗	120434(+62%)	74331
ERC1155 -> ETH List-On-Chain	List	✗	29938	34938(+17%)	✗	✗	34010(+14%)
	Fulfill	✗	52117(+1%)	51471	✗	✗	56149(+9%)
ERC1155 -> ETH	Fulfill, w/ Sig	✗	75669(+1%)	75167	✗	✗	75523
ERC721 -> ERC20 List-On-Chain	List	✗	29938	34938(+17%)	94684(+216%)	✗	31474(+5%)
	Fulfill	✗	61800(+1%)	61150	77802(+27%)	✗	80431(+32%)
ERC721 -> ERC20	Fulfill, w/ Sig	✗	85352(+2%)	84846(+1%)	✗	138770(+65%)	83909
ERC1155 -> ERC20 List-On-Chain	List	✗	29938	34938(+17%)	✗	✗	32010(+7%)
	Fulfill	✗	62507(+1%)	61858	✗	✗	61727
ERC1155 -> ERC20	Fulfill w/ Sig	✗	86059(+1%)	85554(+1%)	✗	✗	85101
ERC20 -> ERC721 List-On-Chain	List	✗	29938(+30%)	34938(+52%)	22946	✗	31474(+37%)
	Fulfill	✗	61936(+1%)	61286	64088(+5%)	✗	82624(+35%)
ERC20 -> ERC721	Fulfill w/ Sig	✗	85488(+2%)	84982(+1%)	✗	136823(+63%)	84102
ERC20 -> ERC1155 List-On-Chain	List	✗	29938	34938(+17%)	✗	✗	32010(+7%)
	Fulfill	✗	62560(+1%)	61911	✗	✗	64043(+3%)
ERC20 -> ERC1155	Fulfill w/ Sig	✗	86112(+1%)	85607	✗	✗	85417
ERC721 -> ERC1155 List-On-Chain	List	✗	29938	34938(+17%)	✗	✗	✗
	Fulfill	✗	70967(+4%)	68201	✗	✗	✗
ERC721 -> ERC1155	Fulfill w/ Sig	✗	94580(+3%)	91936	✗	✗	✗
ERC1155 -> ERC721 List-On-Chain	List	✗	29938	34938(+17%)	✗	✗	✗
	Fulfill	✗	70967(+4%)	68201	✗	✗	✗
ERC1155 -> ERC721	Fulfill w/ Sig	✗	94580(+3%)	91936	✗	✗	✗
ERC721 -> ETH One-Fee-Recipient List-On-Chain	List	50226(+64%)	30646	37081(+21%)	✗	✗	34418(+12%)
	Fulfill	101656(+20%)	85277(+1%)	84490	✗	✗	104645(+24%)
ERC721 -> ETH One-Fee-Recipient	Fulfill w/ Sig	✗	110829(+3%)	110185(+2%)	✗	134853(+25%)	108124
ERC721 -> ETH Two-Fee-Recipient List-On-Chain	List	✗	31359	39225(+25%)	✗	✗	37904(+21%)
	Fulfill	✗	119029(+1%)	118096	✗	✗	138982(+18%)
ERC721 -> ETH Two-Fee-Recipient	Fullfil /w Sig	✗	142581(+1%)	141791	✗	168652(+19%)	142461
ERC721x10 -> ETH List-On-Chain	List	✗	35449	51478(+45%)	570194(+1508%)	✗	✗
	Fulfill	✗	147027(+19%)	140546(+14%)	123818	✗	✗
ERC721x10 -> ETH	Fulfill /w Sig	✗	152641(+4%)	146282	✗	176532(+21%)	✗
ERC721x10 -> ETH Distinct Orders List-On-Chain	List	✗	290235	338109(+16%)	956788(+230%)	✗	✗
	Fulfill	✗	405732(+15%)	352735	386803(+10%)	✗	✗
ERC721x10 -> ETH Distinct Orders	Fulfill /w Sigs	✗	638007(+60%)	586193(+47%)	✗	694809(+74%)	398542
ERC721x10 -> ERC20 Distinct Orders List-On-Chain	List	✗	290235	338109(+16%)	✗	✗	✗
	Fulfill	✗	413748(+15%)	360784	✗	✗	✗
ERC721x10 -> ERC20 Distinct Orders	Fulfill /w Sigs	✗	648023(+82%)	596242(+68%)	✗	933039(+162%)	355522
ERC721 A -> B -> C -> A	Fulfill /w Sigs	✗	206132(+6%)	194777	✗	✗	✗