System	Link	(1) What was the aim of the pull request?	(2) Is this pull request related to exception?	What was the aim of the exception contribution?
apache/flink	https://github.com/apache/flink/pull/184	Bug fix	YES	Error recoverability
apache/druid	https://github.com/apache/druid/pull/212	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/220	Bug fix	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/391	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/394	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/397	Improvement	YES	Error detectability, Error propagartion, Error recoverability
apache/flink	https://github.com/apache/flink/pull/461	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/562	Test	YES	Error representability
apache/druid	https://github.com/apache/druid/pull/573	Bug fix	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/771	Bug fix	YES	Error propagartion, Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/832	Bug fix	YES	Error propagartion
apache/pulsar	https://github.com/apache/pulsar/pull/852	Improvement	YES	Error propagartion, Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/902	Bug fix	YES	Error representability
apache/druid	https://github.com/apache/druid/pull/943	Bug fix	YES	Other
apache/druid	https://github.com/apache/druid/pull/1006	Improvement	YES	Error detectability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1107	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/1119	Improvement	YES	Other
apache/pulsar	https://github.com/apache/pulsar/pull/1174	Improvement	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1179	Improvement	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1222	Improvement	YES	Other
apache/flink	https://github.com/apache/flink/pull/1275	Improvement	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/1448	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/1461	New feature	YES	Error propagartion, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1602	Improvement	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1630	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1643	Bug fix	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/1693	Improvement	YES	Error recoverability
apache/druid	https://github.com/apache/druid/pull/1773	Improvement	YES	Error detectability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/2249	Test	YES	Error recoverability
apache/druid	https://github.com/apache/druid/pull/2264	New feature	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/2269	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/2303	Bug fix	YES	Error detectability, Error representability
apache/flink	https://github.com/apache/flink/pull/2405	Improvement	YES	Error detectability, Error recoverability
apache/druid	https://github.com/apache/druid/pull/2519	Improvement	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/2530	Bug fix	YES	Error recoverability
apache/druid	https://github.com/apache/druid/pull/2620	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/2828	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/2890	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/2955	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/2969	Bug fix	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/2993	Bug fix	YES	Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/3107	Other	NO	
apache/flink	https://github.com/apache/flink/pull/3172	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/3299	Improvement	YES	Error detectability, Error propagartion, Error recoverability
apache/flink	https://github.com/apache/flink/pull/3380	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/3521	Improvement	YES	Error detectability
apache/druid	https://github.com/apache/druid/pull/3544	Improvement	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/3844	Improvement	YES	Error propagartion
apache/pulsar	https://github.com/apache/pulsar/pull/4006	Bug fix	YES	Other
apache/druid	https://github.com/apache/druid/pull/4100	Improvement	YES	Error detectability
apache/pulsar	https://github.com/apache/pulsar/pull/4305	Improvement	YES	Other

apache/pulsar	https://github.com/apache/pulsar/pull/4402	Improvement	YES	Error propagartion, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/4452	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/4657	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/4701	Improvement	YES	Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/4711	Bug fix	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/4759	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/4799	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/5030	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/5068	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/5145	Improvement	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/5312	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/5374	Bug fix	YES	Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/5383	Test	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/5394	Test	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/5751	Bug fix	YES	Error detectability, Error propagartion, Error recoverability
apache/druid	https://github.com/apache/druid/pull/5932	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6032	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6158	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6163	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6169	Improvement	YES	Error representability
apache/druid	https://github.com/apache/druid/pull/6178	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6244	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6364	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/6414	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/6475	Improvement	YES	Other
apache/druid	https://github.com/apache/druid/pull/6649	Bug fix	YES	Error detectability, Error recoverability
apache/flink	https://github.com/apache/flink/pull/6674	Improvement	YES	Other
apache/pulsar	https://github.com/apache/pulsar/pull/6881	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/6912	Bug fix	NO	
apache/druid	https://github.com/apache/druid/pull/7129	Bug fix	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/7248	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/7258	Improvement	YES	Error detectability, Error representability
apache/flink	https://github.com/apache/flink/pull/7290	Bug fix	YES	Other
apache/pulsar	https://github.com/apache/pulsar/pull/7335	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/7430	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/7504	Bug fix	YES	Error detectability, Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/7600	Improvement	YES	Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/7888	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/7974	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/8114	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/8182	Improvement	YES	Error propagartion, Error representability
apache/druid	https://github.com/apache/druid/pull/8205	Bug fix	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/8509	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/8574	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/8931	Improvement	YES	Error detectability, Error representability
apache/flink	https://github.com/apache/flink/pull/8967	Improvement	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/9017	Bug fix	YES	Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/9031	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/9044	Bug fix	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/9062	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/9091	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/9103	Improvement	YES	Other

apache/flink	https://github.com/apache/flink/pull/9115	Bug fix	YES	Error propagartion, Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/9131	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/9228	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/9258	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/9268	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/9390	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/9456	Improvement	YES	Error detectability, Error representability
apache/druid	https://github.com/apache/druid/pull/9547	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/9641	Improvement	YES	Other
apache/flink	https://github.com/apache/flink/pull/9698	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/9859	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/9873	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/10028	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/10045	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/10257	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/10365	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/10412	Improvement	YES	Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/10563	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/10907	Improvement	YES	Error detectability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/10931	Bug fix	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/10970	Improvement	YES	Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/11010	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/11180	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/11217	Bug fix	YES	Error detectability, Error recoverability
apache/flink	https://github.com/apache/flink/pull/11237	Improvement	YES	Error detectability, Error propagartion, Error representability
apache/flink	https://github.com/apache/flink/pull/11311	Improvement	YES	Error propagartion, Other
apache/druid	https://github.com/apache/druid/pull/11325	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/11329	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/11387	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/11414	Improvement	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/11434	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/11447	Bug fix	YES	Other
apache/druid	https://github.com/apache/druid/pull/11556	Bug fix	NO	
apache/pulsar	https://github.com/apache/pulsar/pull/11611	Bug fix	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/11655	Improvement	YES	Other
apache/flink	https://github.com/apache/flink/pull/11665	Bug fix	YES	Other
apache/druid	https://github.com/apache/druid/pull/11723	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/11788	Bug fix	NO	
apache/druid	https://github.com/apache/druid/pull/12027	Improvement	YES	Error representability
apache/druid	https://github.com/apache/druid/pull/12100	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/12128	Bug fix	YES	Error detectability, Error recoverability, Other
apache/pulsar	https://github.com/apache/pulsar/pull/12358	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/12374	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/12470	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/12576	Bug fix	YES	Error detectability, Error recoverability
apache/druid	https://github.com/apache/druid/pull/12626	Improvement	YES	Error recoverability
apache/druid	https://github.com/apache/druid/pull/12635	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/12676	Test	NO	
apache/druid	https://github.com/apache/druid/pull/12680	Improvement	YES	Error detectability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/12705	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/12806	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/12840	Improvement	YES	Error detectability, Error recoverability, Error representability

apache/flink	https://github.com/apache/flink/pull/12844	Improvement	YES	Error propagartion, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/12853	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/12949	Bug fix	YES	Other
apache/druid	https://github.com/apache/druid/pull/12952	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/12957	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/12968	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/13020	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/13104	Bug fix	YES	Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/13203	Bug fix	YES	Error recoverability, Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/13245	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/13315	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/13354	Improvement	YES	Error recoverability, Error representability
apache/druid	https://github.com/apache/druid/pull/13441	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/13444	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/13472	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/13545	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/13679	Bug fix	YES	Error recoverability, Other
apache/druid	https://github.com/apache/druid/pull/13794	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/13828	Improvement	YES	Error propagartion
apache/flink	https://github.com/apache/flink/pull/13840	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/13901	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/13953	Improvement	YES	Error propagation, Error representability, Other
apache/pulsar	https://github.com/apache/pulsar/pull/14022	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/14177	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/14203	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/14207	Improvement	NO	
apache/pulsar	https://github.com/apache/pulsar/pull/14385	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/14388	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/14438	Bug fix	YES	Error detectability, Error recoverability
apache/flink	https://github.com/apache/flink/pull/14631	Bug fix	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/14666	Improvement	NO	
apache/pulsar	https://github.com/apache/pulsar/pull/14781	Bug fix	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/14801	Bug fix	YES	Other
apache/pulsar	https://github.com/apache/pulsar/pull/14807	Improvement	YES	Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/14810	Improvement	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/14941	Other	NO	
apache/flink	https://github.com/apache/flink/pull/15010	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/15068	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/15074	Other	NO	
apache/flink	https://github.com/apache/flink/pull/15289	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/15377	Bug fix	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/15418	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/15503	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/15543	Improvement	YES	Error detectability, Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/15591	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/15598	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/15649	Improvement	YES	Error propagation
apache/flink	https://github.com/apache/flink/pull/15650	Improvement	YES	Error propagartion, Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/15658	Improvement	YES	Error detectability
apache/flink	https://github.com/apache/flink/pull/15661	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/15707	Improvement	NO	
apache/flink	https://github.com/apache/flink/pull/15723	Improvement	YES	Error representability

apache/flink	https://github,com/apache/flink/pull/15800	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/15978	Bug fix	YES	Error recoverability
apache/pulsar	https://github,com/apache/pulsar/pull/16001	Bug fix	YES	Error recoverability
apache/flink	https://github,com/apache/flink/pull/16028	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/16056	Improvement	YES	Error detectability, Error representability
apache/flink	https://github,com/apache/flink/pull/16127	Test	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/16228	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/16254	Bug fix	YES	Error detectability, Error representability
apache/flink	https://github,com/apache/flink/pull/16276	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github,com/apache/flink/pull/16301	Improvement	NO	
apache/flink	https://github,com/apache/flink/pull/16305	Bug fix	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/16459	Bug fix	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/16617	Bug fix	YES	Error recoverability
apache/flink	https://github,com/apache/flink/pull/16618	Bug fix	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/16678	Improvement	YES	Error propagartion
apache/pulsar	https://github,com/apache/pulsar/pull/16788	Bug fix	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/16821	Test	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/16848	Improvement	YES	Error propagartion, Error representability
apache/flink	https://github,com/apache/flink/pull/17078	Test	NO	
apache/flink	https://github,com/apache/flink/pull/17169	Improvement	YES	Error detectability, Error recoverability
apache/flink	https://github,com/apache/flink/pull/17227	Bug fix	YES	Error recoverability
apache/pulsar	https://github,com/apache/pulsar/pull/17249	Bug fix	YES	Error detectability
apache/flink	https://github,com/apache/flink/pull/17337	Improvement	YES	Error detectability, Error propagartion, Error recoverability
apache/flink	https://github,com/apache/flink/pull/17436	Bug fix	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/17460	Bug fix	YES	Error recoverability
apache/flink	https://github,com/apache/flink/pull/17469	Test	NO	
apache/pulsar	https://github,com/apache/pulsar/pull/17484	Improvement	YES	Error propagartion, Error recoverability, Error representability
apache/flink	https://github,com/apache/flink/pull/17547	Improvement	YES	Error propagartion, Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/17556	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/17700	Bug fix	YES	Error detectability, Error recoverability, Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/17717	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/17794	Bug fix	YES	Error recoverability
apache/pulsar	https://github,com/apache/pulsar/pull/17841	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/17908	Test	NO	
apache/pulsar	https://github,com/apache/pulsar/pull/18268	Bug fix	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/18276	Improvement	YES	Error detectability, Error propagartion, Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/18363	Improvement	YES	Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/18529	Other	YES	Error recoverability
apache/pulsar	https://github,com/apache/pulsar/pull/18540	Improvement	YES	Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/19147	Improvement	YES	Error detectability
apache/pulsar	https://github,com/apache/pulsar/pull/19258	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github,com/apache/flink/pull/19298	Bug fix	YES	Other
apache/flink	https://github,com/apache/flink/pull/19456	Bug fix	YES	Error detectability
apache/pulsar	https://github,com/apache/pulsar/pull/19633	Improvement	YES	Error representability
apache/flink	https://github,com/apache/flink/pull/19793	Bug fix	YES	Error recoverability
apache/flink	https://github,com/apache/flink/pull/19817	Improvement	YES	Error detectability
apache/flink	https://github,com/apache/flink/pull/19933	Bug fix	YES	Error detectability
apache/pulsar	https://github,com/apache/pulsar/pull/19990	Bug fix	YES	Error propagartion
apache/pulsar	https://github,com/apache/pulsar/pull/20261	Bug fix	YES	Other
apache/pulsar	https://github,com/apache/pulsar/pull/20396	Improvement	YES	Error representability
apache/pulsar	https://github,com/apache/pulsar/pull/20424	Bug fix	YES	Error detectability, Error recoverability
apache/flink	https://github,com/apache/flink/pull/20571	Improvement	YES	Error detectability, Error recoverability

apache/pulsar	https://github,com/apache/pulsar/pull/20613	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/20691	Test	NO	
apache/flink	https://github,com/apache/flink/pull/20776	Improvement	YES	Other
apache/flink	https://github,com/apache/flink/pull/20805	Improvement	YES	Error recoverability
apache/pulsar	https://github.com/apache/pulsar/pull/20846	Improvement	YES	Error representability
apache/pulsar	https://github.com/apache/pulsar/pull/20971	Bug fix	YES	Other
apache/pulsar	https://github.com/apache/pulsar/pull/21079	Improvement	YES	Error recoverability, Other
apache/flink	https://github.com/apache/flink/pull/21113	Bug fix	YES	Error recoverability
apache/flink	https://github,com/apache/flink/pull/21331	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/21366	Improvement	YES	Error representability, Other
apache/flink	https://github.com/apache/flink/pull/21456	Test	YES	Other
apache/flink	https://github.com/apache/flink/pull/21463	Improvement	YES	Error recoverability, Error representability
apache/flink	https://github.com/apache/flink/pull/21784	Bug fix	YES	Other
apache/flink	https://github.com/apache/flink/pull/21820	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/21821	Bug fix	NO	
apache/flink	https://github.com/apache/flink/pull/21858	Improvement	YES	Error detectability, Error representability
apache/flink	https://github.com/apache/flink/pull/21867	Bug fix	YES	Error detectability, Error recoverability
apache/flink	https://github.com/apache/flink/pull/21891	Improvement	YES	Error representability
apache/flink	https://github.com/apache/flink/pull/22035	Bug fix	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/22055	Bug fix	YES	Error recoverability
apache/flink	https://github.com/apache/flink/pull/22150	Test	YES	Error propagartion