

Vendor Address Book 2019

Real Time Vendors

1	ABC ARBITRAGE ASSET MANAGEMENT S.A.
2	ADMINISTRADORA DIGITAL DE CAPITALES S.A.P.I. DE C.V.
3	AIRAIN LIMITED
4	ALLIANCEBERNSTEIN LP GLOBAL MARKET DATA SERVICES
5	AMERICAN CENTURY INVESTMENT MANAGEMENT INC
6	AQR CAPITAL MANAGEMENT LLC
7	BALYASNY ASSET MANAGEMENT LP
8	BANCO BILBAO VIZCAYA ARGENTARIA S.A.
9	BANK JULIUS BAER & CO. LTD
10	BANK OF AMERICA N.A.
11	BARCLAYS BANK PLC
12	BLACKROCK INC.
13	BLOOMBERG LP
14	BLUECREST CAPITAL MANAGEMENT (UK) LLP
15	BRIDGEWATER ASSOCIATES, LP.
16	CANTOR FITZGERALD & CO
17	CITADEL LLC
18	CITIBANK N.A.
19	CNBC LLC
20	COMMERZBANK AG
21	COWEN INC.
22	D.E. SHAW ENTERPRISES LLC
23	DANSKE BANK A/S
24	DEUTSCHE BÖRSE AG
25	E D & F MAN LTD
26	FACSET RESEARCH SYSTEMS INC
27	FIDELITY BROKERAGE SERVICES LLC
28	FIDESSA PLC
29	FIL INVESTMENT MANAGEMENT LIMITED
30	FIS FINANCIAL SYSTEMS (FRANCE) SAS
31	FLORIN COURT CAPITAL LLP
32	FTSE INTERNATIONAL LTD
33	GRUPO ALONSO CARRILLO I SALOMÓN S.A.P.I. DE C.V.
34	GSA CAPITAL SERVICES LTD
35	HIGHBRIDGE CAPITAL MANAGAMENT LLC
36	HSBC BANK PLC
37	INFOSELECTIVE S.A. DE C.V.
38	INSTINET LLC
39	INTERACTIVE BROKERS LLC
40	INTERACTIVE DATA CORP.
41	IPC NETWORK SERVICES INC - (SERVICE FACILITATOR)
42	JANE STREET HOLDING LLC

43	JEFFERIES LLC
44	JP MORGAN CHASE BANK NATIONAL ASSOCIATION
45	KCG AMERICAS LLC
46	LIQUIDNET HOLDINGS INC
47	MARSHALL WACE LLP
48	MASA CAPITAL LLC
49	MERCADO MEXICANO DE DERIVADOS S.A. DE C.V.
50	MILLENNIUM MANAGEMENT LLC
51	MOORE CAPITAL MANAGEMENT LP
52	MORGAN STANLEY & CO LLC
53	MORNINGSTAR REAL TIME DATA LIMITED
54	MSCI INC
55	NASDAQ OMX
56	OLD MISSION CAPITALS LLC
57	OPTIVER VOF
58	POINT72 LP
59	PROD SERVICES A/P ITG INC.
60	RBC CAPITALS MARKETS
61	REFINITIV (THOMSON REUTERS MARKETS LTD)
62	RENAISSANCE TECHNOLOGIES LLC
63	REUTERS LIMITED UK
64	SIF ICAP S.A. DE C.V.
65	SIX FINANCIAL INFORMATION LTD
66	SOCIETE GENERALE PUBLIC LIMITED COMPANY
67	SOLACTIVE AG
68	SOROS FUND MANAGMENT LLC
69	STANDARD & POOR'S PORTFOLIO
70	STONE RIDGE ASSET MANAGEMENT LLC
71	SUSQUEHANNA INTERNATIONAL GROUP LLP
72	T. ROWE PRICE ASSOCIATES INC.
73	THE CAPITAL GROUP COMPANIES INC.
74	TOWNSEND ANALYTICS LTD
75	TUDOR INVESTMENT CORPORATION
76	TWO SIGMA INVESTMENTS LP
77	UBS, AG. INVESTMENT BANK SECURITIES
78	UNICREDIT BANK AG
79	VIRTU AMERICAS LLC
80	VIRTU FINANCIAL BD LLC
81	WELLINGTON MANAGMENT COMPANY LLP
82	WHITEBOX ADVISORS LLC
83	ZÜRCHER KANTONALBANK