



# Fund finance

## Private equity firm

Built fund performance return report to track performance metrics such as IRR, MOIC at PE Fund and Portfolio company level

# Performance metric reporting for private equity firm

## Situation

- Client was facing delays in reporting of Fund Performance metrics such as IRR, MOIC etc. as the process to update the report was manual and time consuming. Additionally, the client had separate files for each quarter to track the historical Fund Performance which resulted in inefficiencies
- Partnered with the client to create an automated report and optimize data update process to help reduce execution time of Performance Report and track the performance metrics historically in a single report

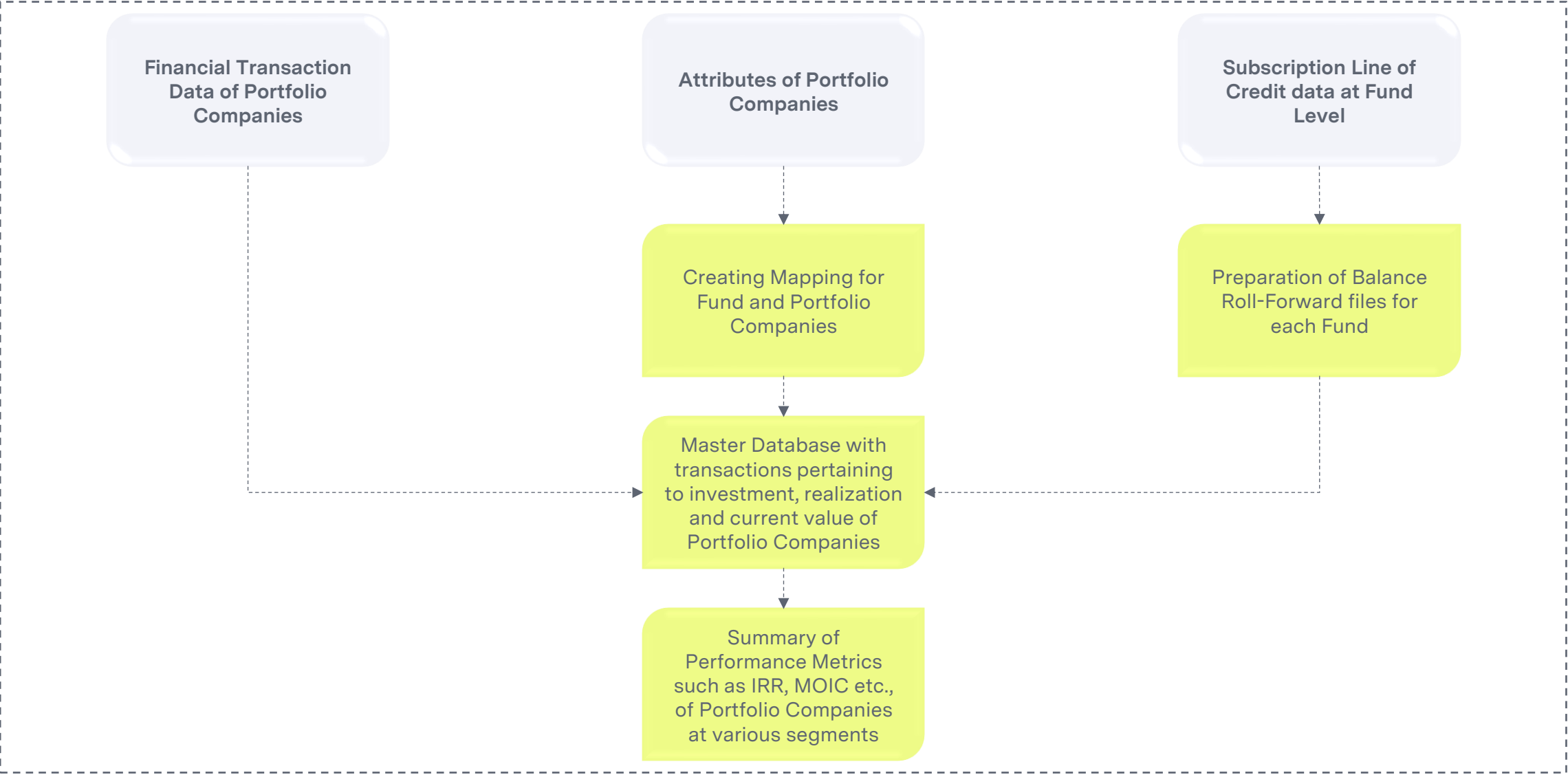
## Accordion Value Add

- Created a master database of financial transactions of Funds and Portfolio firms along with mapping tables to associate attributes such as realization status, public/private, control/non-control, fund type, etc. to Portfolio companies
- Automated the quarterly update of the Performance report by leveraging the master database and mapping files to improve the efficiency and remove manual intervention
- Created standardized Balance Roll Forward reports for the interest and expenses associated with Subscription Line of Credit and leveraged these reports to understand the impact of Subline on the Performance Metrics
- Provided the flexibility to input the time period to track the historical performance metrics such as Net IRR, MOIC etc. of Fund and Portfolio companies

## Impact

- Automated Performance Returns Report resulted in improved efficiency by reducing the quarterly update time from 1-2 weeks to 2 days.
- Performance Report acted as a single source of truth for all the financial data management projects for the client

# Approach & methodology



# Fund performance summary – Composite view

Company Name	Fund Name	Investment Date (a)	Realization Date (b)	Equity Invested	Realized Value (c)	Unrealized Value (d)	Total Value	Gross Cash Multiple	Gross IRR	Net Cash Multiple	Net IRR
Realized Investments											
Company A	Fund 1	11/25/2017	1/15/2019	\$2,131,002.00	\$47,122,373.27	\$ -	\$47,122,373.27	6.00x	17.3%	5.50x	13.3%
Company B	Fund 2	11/15/2018	7/4/2019	\$9,632,012.00	\$107,903,562.51	\$ -	\$107,903,562.51	2.00x	23.5%	1.66x	20.8%
Company C	Fund 6	2/17/2019	5/11/2020	\$9,854,236.00	\$9,854,236.00	\$ -	\$9,854,236.00	1.20x	-89.0%	1.01x	-90.5%
Company D	Fund 7	3/25/2018	12/31/2018	\$1,039,797.00	\$3,467,449.15	\$ -	\$3,467,449.15	2.00x	-21.1%	1.78x	-22.9%
Company E	Fund 2	6/14/2012	7/12/2013	\$5,951,370.00	\$81,524,499.51	\$ -	\$81,524,499.51	2.50x	35.1%	2.13x	32.1%
Company F	Fund 6	10/27/2018	12/27/2019	\$8,203,120.00	\$265,980,898.00	\$ -	\$265,980,898.00	5.90x	89.0%	5.45x	85.4%
Company G	Fund 6	1/12/2013	1/24/2014	\$1,827,758.00	\$158,535,967.06	\$ -	\$158,535,967.06	2.70x	55.2%	2.23x	51.4%
Company H	Fund 5	5/2/2015	5/18/2016	\$2,369,126.00	\$0.00	\$ -	\$0.00	0.00x	67.5%	0.00x	65.6%
Company I	Fund 2	11/15/2015	9/10/2016	\$1,187,237.00	\$1,043,115,619.77	\$ -	\$1,043,115,619.77	4.60x	54.8%	4.35x	52.8%
Company J	Fund 3	5/2/2014	11/4/2014	\$1,689,848.00	\$133,232,441.94	\$ -	\$133,232,441.94	3.10x	27.9%	2.66x	24.4%
Company K	Fund 5	7/27/2017	9/30/2018	\$2,121,899.00	\$131,621,899.00	\$ -	\$131,621,899.00	5.30x	13.4%	5.10x	11.8%
Company L	Fund 8	10/9/2012	9/19/2013	\$5,361,072.00	\$259,169,169.49	\$ -	\$259,169,169.49	6.40x	16.7%	5.95x	13.1%
Company M	Fund 1	6/19/2016	3/11/2017	\$9,716,497.00	\$1,090,586,458.00	\$ -	\$1,090,586,458.00	5.40x	71.0%	5.21x	69.5%
Company N	Fund 7	8/18/2021	6/29/2022	\$5,819,616.00	\$718,962,467.51	\$ -	\$718,962,467.51	6.60x	31.6%	6.33x	29.4%
Company O	Fund 7	11/3/2021	1/1/2022	\$2,373,672.00	\$306,173,672.00	\$ -	\$306,173,672.00	7.30x	40.4%	6.88x	37.0%
Company P	Fund 4	1/22/2012	11/16/2012	\$577,715.00	\$218,500,664.00	\$ -	\$218,500,664.00	4.10x	16.2%	3.76x	13.5%
Company Q	Fund 8	9/16/2018	7/30/2019	\$4,801,483.00	\$536,648,230.00	\$ -	\$536,648,230.00	1.50x	29.9%	1.24x	27.8%
Company R	Fund 1	3/11/2015	3/1/2016	\$855,961.00	\$126,460,095.00	\$ -	\$126,460,095.00	6.00x	58.0%	5.55x	54.4%
Company S	Fund 2	4/17/2018	2/8/2019	\$4,388,533.00	\$235,308,451.00	\$ -	\$235,308,451.00	2.50x	56.6%	2.04x	52.9%
Company T	Fund 3	3/19/2019	12/8/2019	\$8,768,646.00	\$378,587,328.00	\$ -	\$378,587,328.00	3.40x	34.8%	2.90x	30.8%
Company U	Fund 5	5/27/2010	7/18/2011	\$1,542,842.00	\$189,910,515.00	\$ -	\$189,910,515.00	7.10x	65.0%	6.75x	62.2%
Company V	Fund 8	8/26/2014	4/22/2015	\$2,628,632.00	\$23,115,369.43	\$ -	\$23,115,369.43	7.00x	141.3%	6.70x	138.9%
Company W	Fund 6	4/4/2013	3/24/2014	\$9,669,963.00	\$71,906,127.60	\$ -	\$71,906,127.60	4.10x	123.9%	3.70x	120.7%
Company X	Fund 7	3/21/2013	8/18/2013	\$7,586,233.00	\$197,662,978.24	\$ -	\$197,662,978.24	3.10x	83.3%	2.66x	79.8%
Company Y	Fund 6	4/4/2016	3/24/2017	\$8,150,480.00	\$70,432,725.63	\$ -	\$70,432,725.63	1.30x	11.7%	1.01x	9.4%
Company Z	Fund 6	4/28/2010	5/1/2011	\$4,307,959.00	\$394,706,352.00	\$ -	\$394,706,352.00	6.00x	110.8%	5.58x	107.4%

Attributes such as Funds, first Investment Date etc., to classify Portfolio Companies

Metrics such as Net/Gross IRR to track Portfolio / Fund performance

# Fund performance summary – Single fund view

Company Name	Investment Date	Realization Date	Equity Invested	Realized Value	Unrealized Value	Total Value	Gross MOIC	Gross IRR	Net MOIC	Net IRR
Realized Investments										
Company A	7/10/2014	4/25/2016	\$ 500,000	\$ 600,000	\$ -	\$ 1,100,000	2.20x	32.7%	1.70x	29.5%
Company B	10/18/2014	8/3/2016	600,000	1,380,000	-	1,980,000	3.30x	66.7%	2.80x	60.1%
Company C	1/26/2015	11/11/2016	700,000	3,150,000	-	3,850,000	5.50x	0.0%	5.00x	0.0%
Company D	5/6/2015	2/19/2017	650,000	1,300,000	-	1,950,000	3.00x	41.1%	2.50x	37.0%
Company E	8/14/2015	5/30/2017	75,000	157,500	-	232,500	3.10x	42.3%	2.60x	29.1%
Company F	11/22/2015	9/7/2017	515,000	1,596,500	-	2,111,500	4.10x	32.3%	3.60x	29.1%
Company G	3/1/2016	12/16/2017	453,200	725,120	-	1,178,320	2.60x	19.0%	2.10x	17.1%
Total Realized Investments			\$ 3,493,200	\$ 8,909,120	\$ -	\$ 12,402,320	3.50x	45.0%	3.05x	40.5%
Partially Realized Investments										
Company H	7/4/2018	1/20/2019	\$ 600,000	\$ 1,260,000	\$ 230,000	\$ 2,093,973	3.49x	28.7%	2.99x	25.8%
Company I	10/12/2018	4/30/2019	500,000	600,000	150,000	1,251,697	2.50x	15.4%	2.00x	13.8%
Company J	1/20/2019	8/8/2019	300,000	510,000	1,042,000	1,852,746	6.18x	47.0%	5.68x	42.3%
Company K	1/18/2018	11/16/2019	637,000	1,273,363	900,000	2,788,763	4.38x	23.2%	3.88x	20.9%
Total Partially Realized Investments			\$ 2,037,000	\$ 3,643,363	\$ 2,322,000	\$ 7,987,179	3.90x	30.0%	3.42x	27.0%
Unrealized Investments										
Company L	6/3/2020		\$ 1,000,000	\$ -	\$ 1,500,000	\$ 2,500,000	2.50x	6.3%	2.00x	5.7%
Company M	7/3/2020		300,000	-	500,000	800,000	2.67x	11.6%	2.17x	10.5%
Company N	6/23/2020		800,000	-	1,400,000	2,200,000	2.75x	8.9%	2.25x	8.0%
Company O	7/23/2020		4,550,000	-	14,050,000	18,600,000	4.09x	24.8%	3.59x	22.3%
Company P	7/26/2020		674,000	-	1,061,100	1,735,100	2.57x	24.3%	2.07x	21.9%
Company R	8/5/2020		639,000	-	1,258,657	1,897,657	2.97x	8.2%	2.47x	7.4%
Company S	8/15/2020		480,000	-	1,836,300	2,316,300	4.83x	34.1%	4.33x	30.7%
Company U	8/25/2020		429,000	-	1,148,100	1,577,100	3.68x	22.8%	3.18x	20.5%
Total Unrealized Investments			8,872,000	-	22,754,157	31,626,157	3.60x	15.0%	3.06x	13.5%
Total Portfolio (Gross)			\$ 14,402,200	\$ 12,552,483	\$ 25,076,157	\$ 52,015,656	3.61x	40.0%		
Total Portfolio (Net of Fees, Expenses, and Carry)									3.10x	32.0%

Performance Metrics and Attributes for the PortCos in same fund bifurcated at Realization marker level

# Balance roll forward details of subscription line of credit

Effective	Transaction	Pricing	Description	Amount in USD	All-In-Rate	Currency	Opening Balance	Draw	Interest	Payment	Balance
10-Jul-2014	Draw	PRIME	Company A	\$ 701,050,804.54	4.25	USD	\$ -	\$ 701,050,804.54	\$ -	\$ -	\$ 701,050,804.54
18-Oct-2014	Payment	PRIME	Company A	701,050,804.54	4.25	USD	701,050,804.54	-	785.65	(701,050,804.54)	-
26-Jan-2015	Draw	PRIME	Company A	115,756,925.95	4.25	USD	-	115,756,925.95	27,655.06	-	115,756,925.95
06-May-2015	Draw	PRIME	Company A	11,469,595.72	4.25	USD	115,756,925.95	11,469,595.72	8,023.72	-	127,226,521.67
14-Aug-2015	Draw	PRIME	Company A	405,115,603.33	4.25	USD	127,226,521.67	405,115,603.33	-	-	532,342,125.00
22-Nov-2015	Payment	PRIME	Company A	115,589,761.83	4.25	USD	532,342,125.00	-	-	(115,589,761.83)	416,752,363.17
01-Mar-2016	Payment	PRIME	Company A	10,403,368.77	4.25	USD	416,752,363.17	-	-	(10,403,368.77)	406,348,994.40
25-Apr-2016	Payment	PRIME	Company A	402,050,429.52	4.25	USD	406,348,994.40	-	-	(402,050,429.52)	4,298,564.88
03-Aug-2016	Payment	PRIME	Company B	167,164.12	4.25	USD	4,298,564.88	-	-	(167,164.12)	4,131,400.76
11-Nov-2016	Payment	PRIME	Company B	1,066,226.96	4.25	USD	4,131,400.76	-	-	(1,066,226.96)	3,065,173.81
19-Feb-2017	Payment	PRIME	Company B	3,065,173.81	4.25	USD	3,065,173.81	-	-	(3,065,173.81)	-
30-May-2017	Increase	PRIME	Company B	576,182,345.90	4.25	USD	-	576,182,345.90	-	-	576,182,345.90
07-Sep-2017	Payment	PRIME	Company B	576,182,345.90	4.25	USD	576,182,345.90	-	-	(576,182,345.90)	-
16-Dec-2017	Increase	PRIME	Company B	576,182,345.90	4.25	USD	-	576,182,345.90	-	-	576,182,345.90
04-Jul-2018	Payment	PRIME	Company B	571,811,217.35	4.25	USD	576,182,345.90	-	-	(571,811,217.35)	4,371,128.55
12-Oct-2018	Payment	PRIME	Company B	4,371,128.55	4.25	USD	4,371,128.55	-	-	(4,371,128.55)	-
20-Jan-2019	Increase	PRIME	Company B	17,297,425.26	4.25	USD	-	17,297,425.26	-	-	17,297,425.26
18-Jan-2018	Payment	PRIME	Company B	17,108,732.79	4.25	USD	17,297,425.26	-	-	(17,108,732.79)	188,692.47
20-Jan-2019	Payment	PRIME	Company C	188,692.47	4.25	USD	188,692.47	-	-	(188,692.47)	-
30-Apr-2019	Increase	PRIME	Company C	1,326,250,353.00	4.25	USD	-	1,326,250,353.00	-	-	1,326,250,353.00
08-Aug-2019	Payment	PRIME	Company C	1,326,250,353.00	4.25	USD	1,326,250,353.00	-	-	(1,326,250,353.00)	-
16-Nov-2019	Increase	PRIME	Company C	520,699,996.93	4.25	USD	-	520,699,996.93	-	-	520,699,996.93
19-Mar-2019	Payment	PRIME	Company C	516,101,952.93	4.25	USD	520,699,996.93	-	33,872.17	(516,101,952.93)	4,598,044.00
03-Jun-2020	Payment	PRIME	Company C	4,598,044.00	4.25	USD	4,598,044.00	-	1,188,861.46	(4,598,044.00)	(0.00)

Principal Drawn, Interest and Repayment were combined to create Roll-Forward Balance