



The Importance of Portfolio Optimisation in CLOs

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This article explores the critical role of portfolio optimisation throughout the lifecycle of a Collateralised Loan Obligation (CLO).

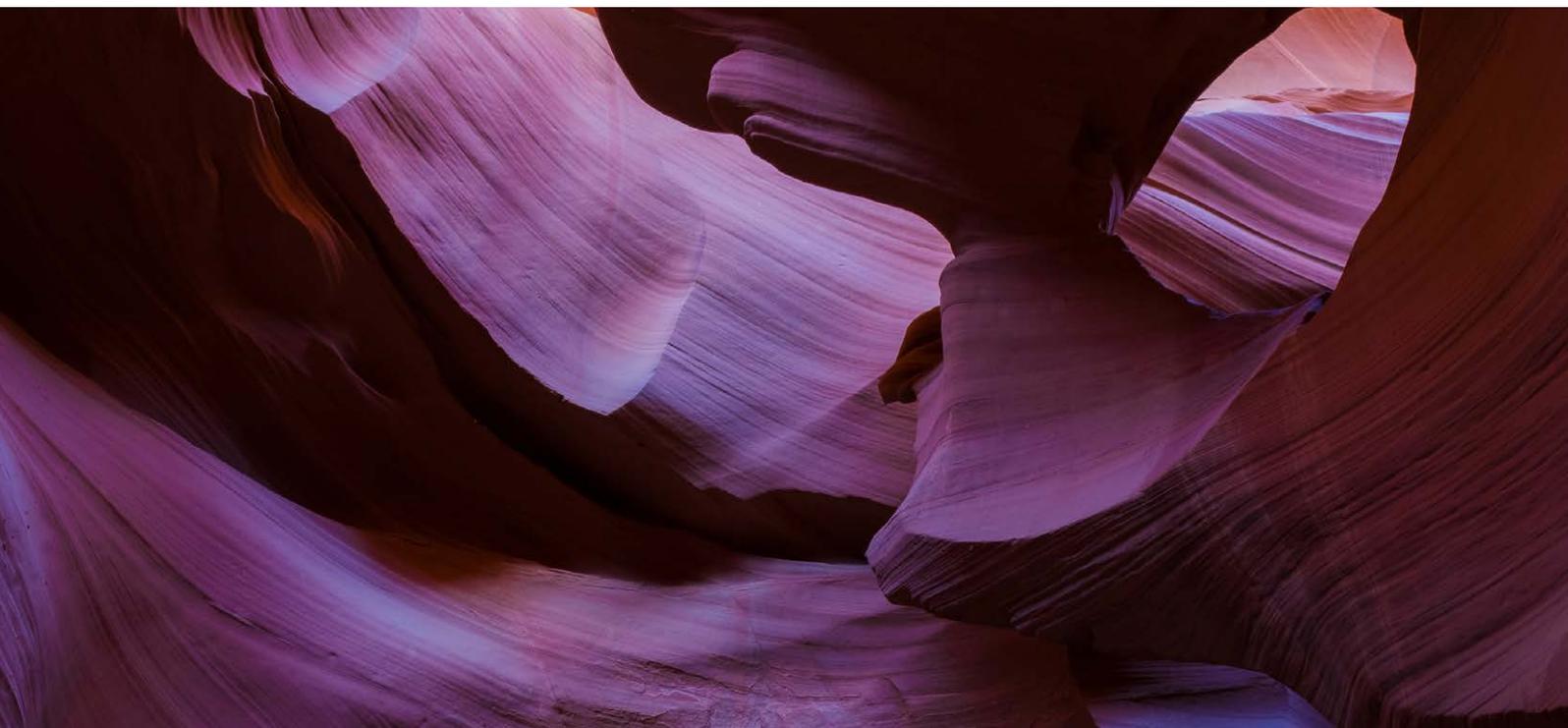
CLO portfolios typically consist of over 100 underlying leveraged loans, which are primarily first-lien loans to companies backed by private equity sponsors. These loans are generally tradeable in the secondary market giving the CLO manager scope to make changes to the portfolio. While CLOs are also permitted to invest in other instruments, such as unsecured loans or bonds, these exposures are typically capped.

Once the initial loan ramp-up is complete, the focus shifts to active portfolio management – aimed at optimising the portfolio for the benefit of all noteholders.

Optimisation can involve a variety of objectives, such as building par, adding diversity, increasing the weighted average spread (e.g., replacing loans paying E+350 with those paying E+400), and managing risk. The objective is to improve the resilience of the CLO portfolio by improving risk-adjusted returns while simultaneously controlling downside risk. Accordingly, during both the ramp-up period and the reinvestment period, CLO managers actively trade assets - subject to eligibility criteria and portfolio tests. Although the ability to optimise is more limited following the reinvestment period, certain amendments and trades may still be permitted under specific circumstances.

Other reasons for a CLO manager to make changes to the portfolio may include in response to changing geo-political conditions or macroeconomic forecasts - reducing exposure to countries or sectors expected to underperform and increasing investment in others with more favourable outlooks.

However, portfolio optimisation is not straightforward as assets are not homogeneous and there are some costs involved.



Different borrowers have different attributes including spreads, credit ratings, or recovery expectations, which need to fit into the overall CLO constraints including:

- **Eligibility Criteria:** which must be satisfied for each asset at the time of acquisition
- **Portfolio Profile Tests:** designed to mitigate portfolio concentration risk such as single obligor limits, fixed-rate asset caps, and CCC bucket restrictions
- **Collateral Quality Tests:** mainly driven by the rating agencies, including the Weighted Average Rating Factor (WARF), Weighted Average Spread (WAS), Weighted Average Life (WAL), and Diversity Score
- **Coverage Tests:** such as Overcollateralisation (OC) and Interest Coverage (IC) ratios, designed to ensure that the par value and interest proceeds of the portfolio is sufficient to cover payments due on the rated notes

These tests are designed to protect the CLO noteholders. If not satisfied, they either result in the early paydown of some of the CLO notes or prevent the CLO manager from any reinvestment that makes the test failure worse than it already is (often called maintain-or-improve tests).

Conclusion

Ultimately, the CLO manager has a fiduciary responsibility to manage capital on behalf of investors in accordance with its Standard of Care. Through active management, the CLO manager aims to optimise the CLO portfolio by enhancing yield while preserving value and managing risk for the benefit of investors at all levels of the capital structure.

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