

U.S. Financial Conditions Index

Report Overview

The Model Signal Reports translate Quant Pack Leading Indicators into asset allocation insights. This report provides the historical performance data of each sample model since 2000 and will be updated on an annual basis going forward. You can find more information on the indicator and its latest model signal in the MarketDesk Quant Pack published each Friday.

Table of Contents

2. Overview & History of Model Signal
3. U.S. Sector Rotation Model
4. U.S. Credit Rotation Model
5. Disclosures

Overview of Indicator

- The U.S. Financial Conditions Indicator provides a real-time measure of the cost and availability of accessing capital.
- Based on a composite of 8 volatility adjusted inputs, including interest rates, credit spreads, lending rates, VIX, equity prices, and the U.S. dollar.
- The data-driven indicator (1) tracks changes in the availability and cost of credit, which (2) provides an early warning sign of potential financial stress.

Overview of Model Signal

When the U.S. Financial Conditions Indicator has a reading above +0.25, own 100% Risk-Off Exposure (i.e., Defensive Sectors, High-Quality Credit, and Bonds). When the U.S. Financial Conditions Indicator has a reading below +0.25, own 100% Risk-On Exposure (i.e., Cyclical Sectors, Low-Quality Credit, and Stocks). All sample model portfolios are rebalanced monthly to equal weight.

Figure 1: Historical Model Signals (Risk-On vs Risk-Off)

The table shows the indicator's historical model reading for each month since 2000

Model Signals Based on U.S. Financial Conditions Index												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
2000	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2001	Risk-Off	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2002	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2003	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2004	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2005	Risk-On	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2006	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-On	Risk-On
2007	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2008	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-Off	Risk-Off	Risk-Off
2009	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2010	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2011	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-Off	Risk-On
2012	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2013	Risk-On	Risk-Off	Risk-Off	Risk-Off	Risk-On	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2014	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-On	Risk-On	Risk-Off	Risk-On	Risk-Off	Risk-Off	Risk-Off
2015	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2016	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-Off
2017	Risk-On	Risk-On	Risk-On	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-On
2018	Risk-On	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2019	Risk-Off	Risk-Off	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2020	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On
2021	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-On	Risk-Off
2022	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off	Risk-Off
2023	Risk-Off	Risk-Off	Risk-Off	Risk-Off								

Figure 2: Annual Model Returns

	Page 3	Page 4
S&P 500	U.S. Sector Rotation	U.S. Credit Rotation
-4%	33%	15%
-12%	-10%	2%
-22%	-19%	-4%
29%	36%	30%
11%	15%	11%
5%	5%	2%
16%	17%	6%
5%	6%	2%
-37%	-28%	-7%
26%	29%	17%
15%	26%	17%
2%	0%	5%
16%	18%	17%
32%	34%	2%
14%	22%	14%
1%	3%	0%
12%	24%	15%
22%	19%	8%
-4%	5%	4%
31%	21%	10%
18%	22%	22%
29%	31%	4%
-18%	0%	-20%
9%	1%	5%

Source: MarketDesk Quant Pack. Data as of 4/30/2023. Past performance does not guarantee future results. Performance is shown as total returns with dividends and income reinvested. The performance information shown herein does not reflect the deduction of advisory and/or other fees normally incurred in the management of a portfolio. Hypothetical performance results are presented for illustrative purposes only.

Indicator Signal Overview – U.S. Sector Rotation Model

When the U.S. Financial Conditions Indicator has a reading above +0.25, own 100% Risk-Off Exposure. When the U.S. Financial Conditions Indicator has a reading below +0.25, own 100% Risk-On Exposure. The sample model is rebalanced monthly to equal weight. Refer to page 2 to see when the model held Risk-On or Risk-Off exposure for each month since January 2000.

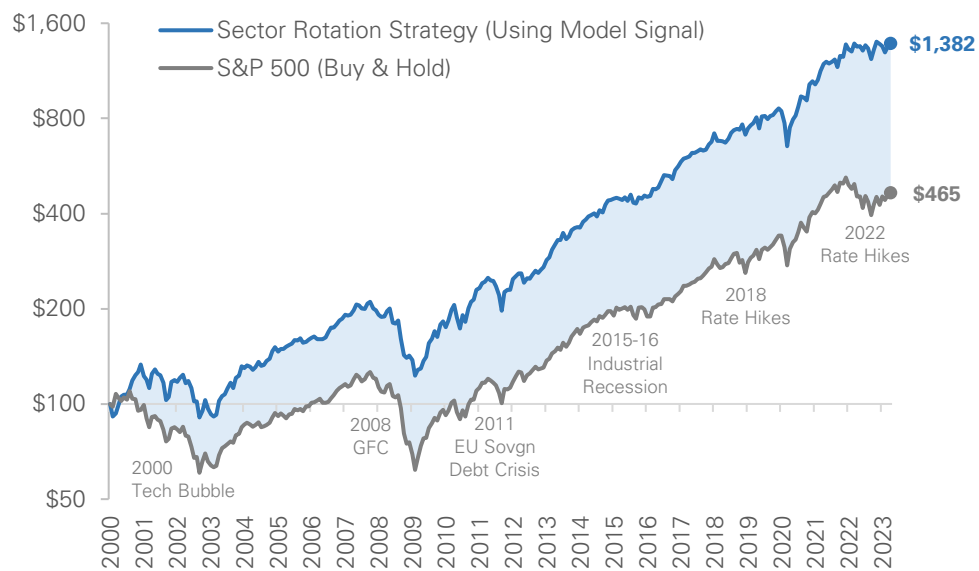
- **Risk-On** = Cyclical Sectors (Industrials, Materials, Cons. Discretionary)
- **Risk-Off** = Defensive Sectors (Utilities, Health Care, Cons. Staples)

Figure 3: Performance Statistics – U.S. Sector Rotation Model

Annual Statistics of Returns & Risks	S&P 500 (Benchmark)	U.S. Sector Rotation Model
Average Return	8.2%	13.4%
Strategy CAGR	6.8%	12.0%
Maximum Drawdown	-51%	-42%
% of Positive Years	74%	87%
Upside Capture	100%	115%
Downside Capture	100%	19%
Net Capture	0%	+96%
Max Positive Year	32%	36%
Max Negative Year	-37%	-28%
Max Risk / Reward Ratio	0.88	1.28

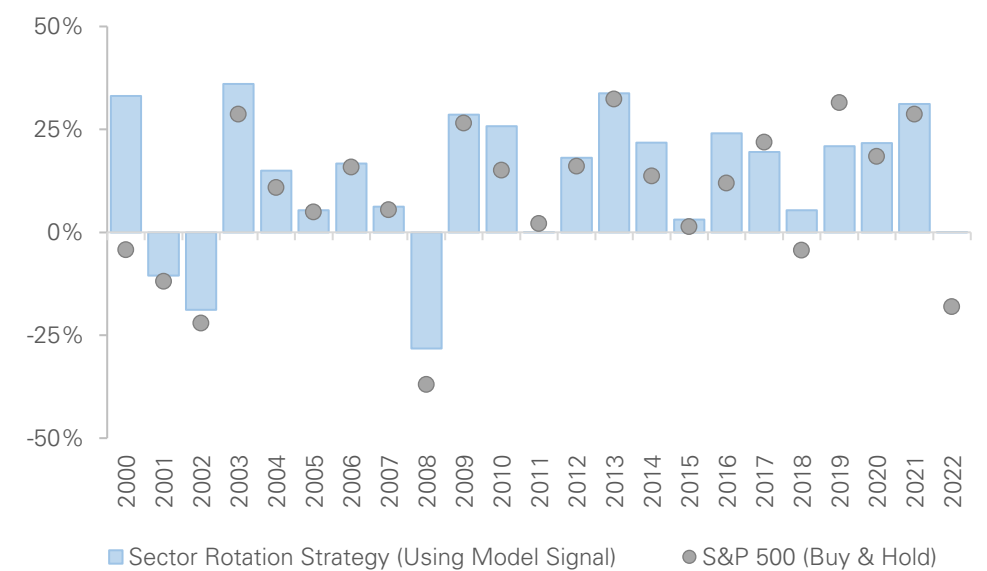
Source: MarketDesk Quant Pack. Based on annual calendar year returns since 2000.

Figure 4: Total Returns – U.S. Sector Rotation Model



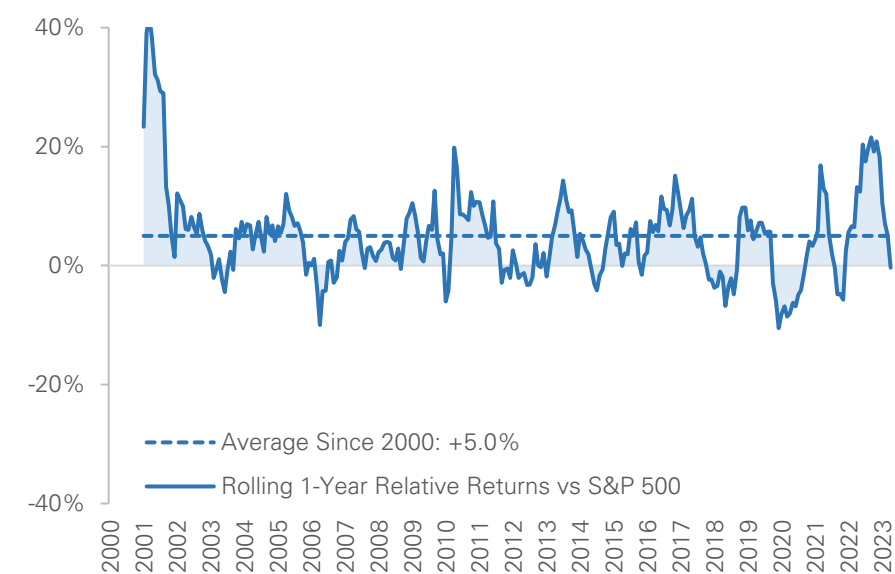
Source: MarketDesk Quant Pack. The portfolio is rebalanced monthly.

Figure 5: Historical Annual Returns – U.S. Sector Rotation Model



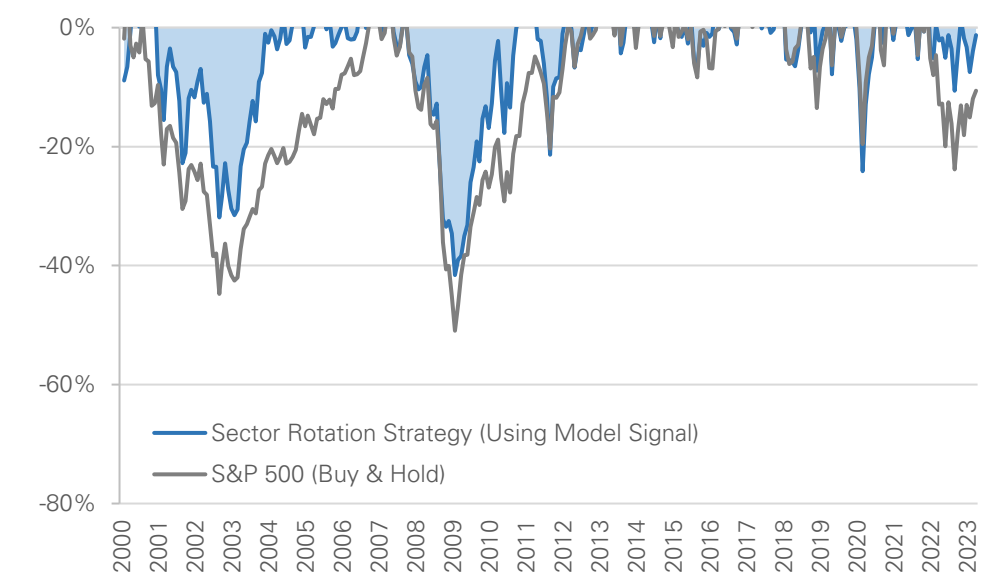
Source: MarketDesk Quant Pack

Figure 6: 1-Year Relative Returns – U.S. Sector Rotation Model



Source: MarketDesk Quant Pack

Figure 7: Portfolio Drawdowns – U.S. Sector Rotation Model



Source: MarketDesk Quant Pack

Indicator Signal Overview – U.S. Credit Rotation Model

When the U.S. Financial Conditions Indicator has a reading above +0.25, own 100% Risk-Off Exposure. When the U.S. Financial Conditions Indicator has a reading below +0.25, own 100% Risk-On Exposure. The sample model is rebalanced monthly to equal weight. Refer to page 2 to see when the model held Risk-On or Risk-Off exposure for each month since January 2000.

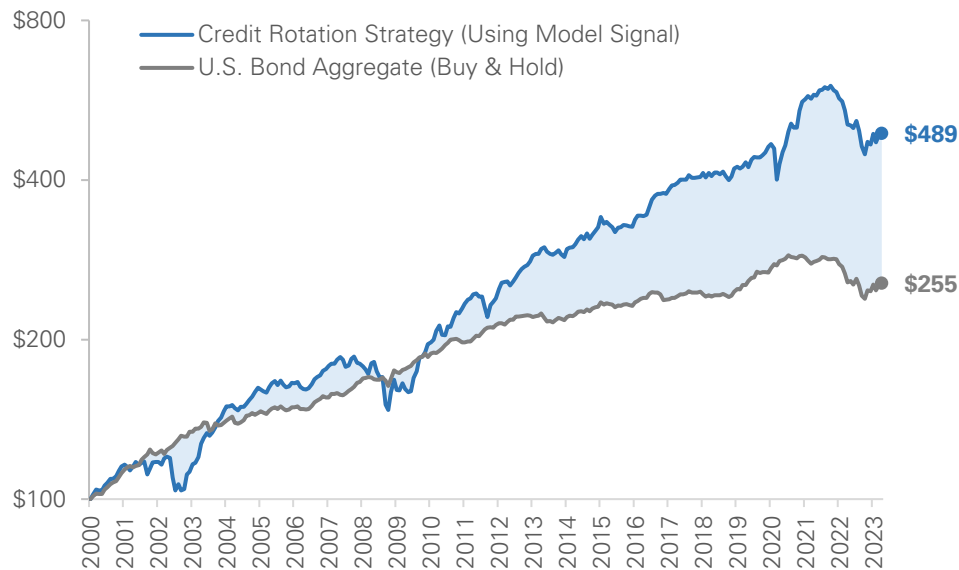
- **Risk-On** = Low-Quality Credit (High Yield, Fallen Angels, Convertibles)
- **Risk-Off** = High-Quality Credit (U.S. Treasuries & MBS)

Figure 8: Performance Statistics – U.S. Credit Rotation Model

Annual Statistics of Returns & Risks	US Bond Aggregate (Benchmark)	Credit Sector Rotation Model
Average Return	4.1%	7.4%
Strategy CAGR	4.1%	7.1%
Maximum Drawdown	-17%	-26%
% of Positive Years	87%	87%
Upside Capture	100%	166%
Downside Capture	100%	85%
Net Capture	0%	+81%
Max Positive Year	12%	30%
Max Negative Year	-13%	-20%
Max Risk / Reward Ratio	0.92	1.47

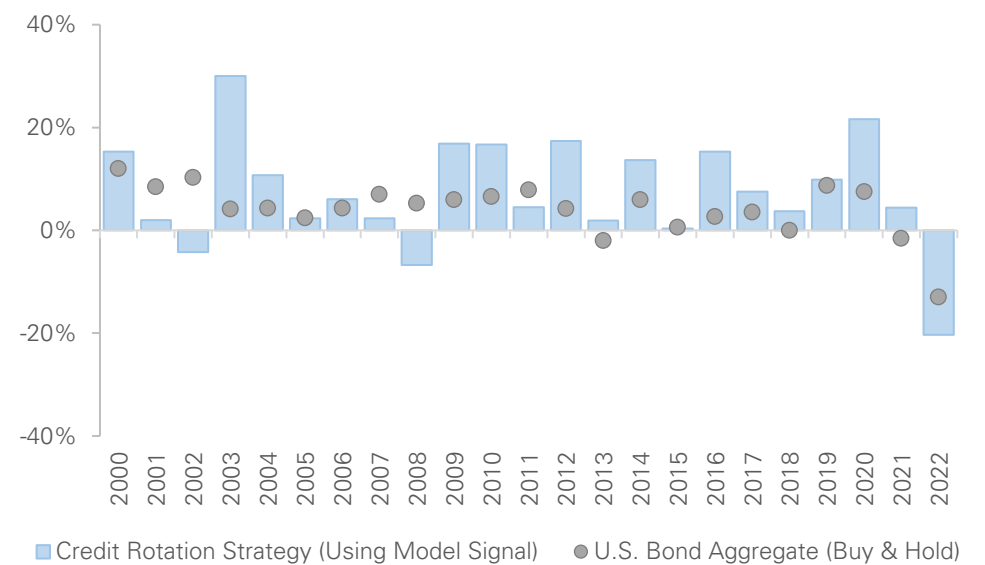
Source: MarketDesk Quant Pack. Based on annual calendar year returns since 2000.

Figure 9: Total Returns – U.S. Credit Rotation Model



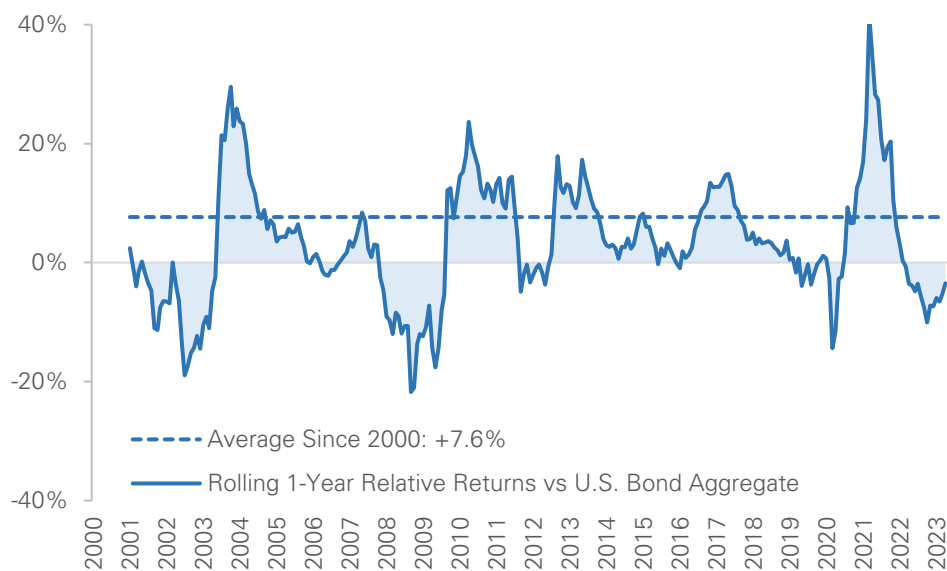
Source: MarketDesk Quant Pack. The portfolio is rebalanced monthly.

Figure 10: Historical Annual Returns – U.S. Credit Rotation Model



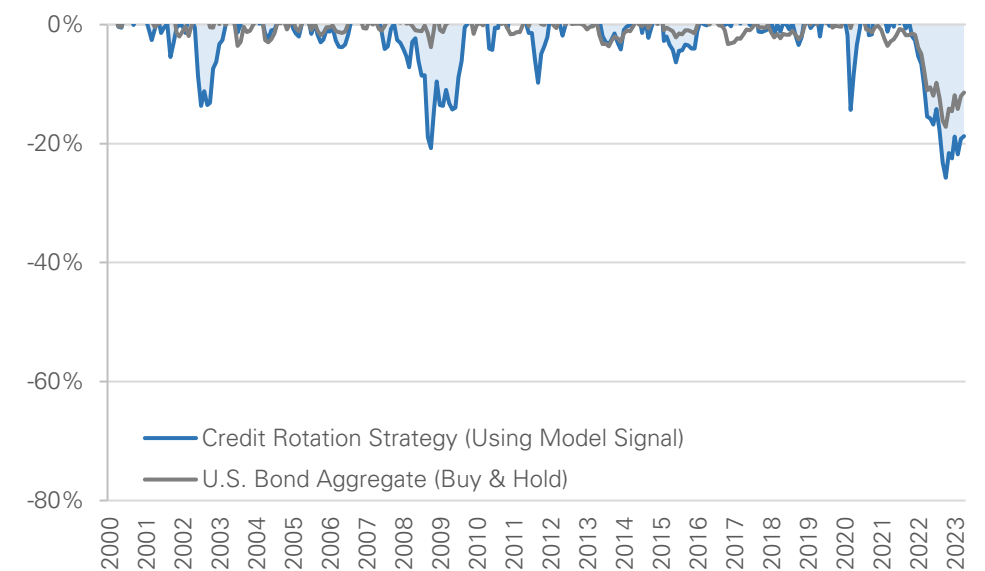
Source: MarketDesk Quant Pack

Figure 11: 1-Year Relative Returns – U.S. Credit Rotation Model



Source: MarketDesk Quant Pack

Figure 12: Portfolio Drawdowns – U.S. Credit Rotation Model



Source: MarketDesk Quant Pack

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