-- Chart 7: Net bridge flows in/out (monthly)

-- Calculate bridge flow analysis with simplified metrics in billions

WITH ethereum\_bridge\_flows AS (

SELECT

DATE\_TRUNC('month', block\_timestamp) as month,

CASE

WHEN LOWER(source\_chain) = 'ethereum' AND LOWER(destination\_chain) != 'ethereum' THEN 'OUTFLOW'

WHEN LOWER(source\_chain) != 'ethereum' AND LOWER(destination\_chain) = 'ethereum' THEN 'INFLOW'

ELSE 'OTHER'

END as flow\_direction,

SUM(COALESCE(amount\_usd, 0)) as volume\_usd

FROM CROSSCHAIN.DEFI.EZ\_BRIDGE\_ACTIVITY

WHERE block\_timestamp >= '2023-01-01'

AND block\_timestamp < '2025-09-01'

AND amount\_usd > 0

AND (

LOWER(source\_chain) = 'ethereum' OR

LOWER(destination\_chain) = 'ethereum'

)

GROUP BY

DATE\_TRUNC('month', block\_timestamp),

CASE

WHEN LOWER(source\_chain) = 'ethereum' AND LOWER(destination\_chain) != 'ethereum' THEN 'OUTFLOW'

WHEN LOWER(source\_chain) != 'ethereum' AND LOWER(destination\_chain) = 'ethereum' THEN 'INFLOW'

ELSE 'OTHER'

END

),

monthly\_flows AS (

SELECT

month,

SUM(CASE WHEN flow\_direction = 'INFLOW' THEN volume\_usd ELSE 0 END) as inflow\_volume\_usd,

SUM(CASE WHEN flow\_direction = 'OUTFLOW' THEN volume\_usd ELSE 0 END) as outflow\_volume\_usd

FROM ethereum\_bridge\_flows

WHERE flow\_direction IN ('INFLOW', 'OUTFLOW')

GROUP BY month

)

SELECT

TO\_CHAR(month, 'YYYY-MM') as MONTH,

ROUND(inflow\_volume\_usd / 1000000000, 2) as INFLOW\_BILLIONS,

ROUND(outflow\_volume\_usd / 1000000000, 2) as OUTFLOW\_BILLIONS,

ROUND((inflow\_volume\_usd - outflow\_volume\_usd) / 1000000000, 2) as NET\_FLOW\_BILLIONS,

ROUND((inflow\_volume\_usd + outflow\_volume\_usd) / 1000000000, 2) as TOTAL\_BRIDGE\_VOLUME\_BILLIONS

FROM monthly\_flows

ORDER BY month;