COIN METRICS

DENCUN UPGRADE METRIC CHANGES

COINMETRICS

Please see below for details on metrics added to cover the Dencun upgrade as well as changes to the existing metric set.

Metric Additions

NAME	METRIC ID	CATEGORY	SUB-CAT.	DEFINITION	TYPE	UNIT	INTERVAL
Total blob fees (native units)	FeeBlobTotNtv	Fees and Revenue	Fees	Total amount of Fees paid for blob space, shown in native units	Sum	Native units	1d, 1b
Total blob fees (USD)	FeeBlobTotUSD	Fees and Revenue	Fees	Total amount of Fees paid for blob space, shown in USD	Sum	USD	1d, 1b
Mean blob fees (native units)	FeeBlobMeanNtv	Fees and Revenue	Fees	Mean fees paid per blob, shown in native units	Mean	Native units	1d, 1b
Mean blob fees (USD)	FeeBlobMeanUSD	Fees and Revenue	Fees	Mean fees paid per blob, shown in USD	Mean	USD	1d, 1b
Median blob fees (native units)	FeeBlobMedNtv	Fees and Revenue	Fees	Median fees paid per blob, shown in native units	Median	Native units	1d, 1b
Median blob fees (USD)	FeeBlobMedUSD	Fees and Revenue	Fees	Median fees paid per blob, shown in USD	Median	USD	1d, 1b
Mean Fee per blob Byte (native units)	FeeBlobByteMeanNtv	Fees and Revenue	Fees	Mean fee paid per byte of used blob space, shown in native units	Mean	Native units	1d, 1b
Mean Fee per blob Byte (USD)	FeeBlobByteMeanUSD	Fees and Revenue	Fees	Mean fee paid per byte of used blob space, shown in USD	Mean	USD	1d, 1b
Mean fee per blob carrying transaction (native units)	FeeBlobTxMeanNtv	Fees and Revenue	Fees	Mean fee paid in blob fees per blob carrying transaction, shown in native units	Mean	Native units	1d, 1b
Mean fee per blob carrying transaction (USD)	FeeBlobTxMeanUSD	Fees and Revenue	Fees	Mean fee paid in blob fees per blob carrying transaction, shown in USD	Mean	USD	1d, 1b
Blob Count	BlobCnt	Network Usage	Blobs	The sum count of blobs created that interval that were included in the main chain	Sum	Blobs	1d, 1b
Blob Count per blob carrying transaction	BlobMeanCnt	Network Usage	Blobs	The mean number of blobs per blob carrying transaction	Sum	Blobs	1d, 1b
Total Blob Space Used (bytes)	BlobSizeByte	Network Usage	Blobs	The sum of the size (in bytes) of blob space used in that interval	Sum	Bytes	1d, 1b

NAME	METRIC ID	CATEGORY	SUB-CAT.	DEFINITION	TYPE	UNIT	INTERVAL
All Time Blob Space Used (bytes)	BlobSizeAllTimeByte	Network Usage	Blobs	The total sum of the size (in bytes) of blob space used all time up to that time interval	Sum	Bytes	1d
Blob Carrying Transaction Count	TxBlobCnt	Transactions	Blobs	Number of transactions carrying a blob in the interval	Sum	Transactions	1d, 1b
Mean Blob Carrying Trans. Per Block Count	TxBlobMeanCnt	Transactions	Blobs	Mean number of transactions per block, carrying a blob in the interval	Mean	Transactions	1d
Median Blob Carrying Trans. Per Block Count	TxBlobMedCnt	Transactions	Blobs	Median number of transactions per block carrying a blob in the interval	Median	Transactions	1d

Changes To Existing Metrics

Below are the changes to existing metrics that were introduced due to the Dencun hardfork. All changes introduced by Dencun fit into our existing metric definitions and no fundamental changes have been made. The main differences are the inclusion of type 3 transactions in existing metrics as well as ensuring that we count destructed contracts correctly.

METRIC NAME	CHANGES
BlkSizeByte	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.
BlkSizeMeanByte	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.
FeeByteMeanNtv	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly. This metric is computed as FeeTotNtv / BlkSizeByte.
FeeMeanNtv	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly. Computed as FeeTotNtv / TxCnt
FeeMeanUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
FeeMedNtv	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.

METRIC NAME	CHANGES
FeeMedUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
FeePrioMeanNtv	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeePrioMeanUSD	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeePrioMedNtv	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeePrioMedUSD	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeePrioTotNtv	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeePrioTotUSD	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeeRevPct	Priority fees for type 3 transactions will be handled like all other priority fees on ETH.
FeeTotNtv	Since this metric counts all fees the following fees are counted: - Transaction Base fees - Transaction Priority fees - **Blob fees (separate from the base fees paid by the underlying transaction) - added as part of Dencun**
FeeTotUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
GasLmtTx	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.
GasLmtTxMean	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly. Computed as GasLmtTx / TxCnt.
GasUsedTx	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.

METRIC NAME	CHANGES
GasUsedTxMean	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly. Computed as GasUsedTx / TxCnt.
RevAllTimeUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
RevNtv	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.
RevUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
SplyBurntNtv	Fees paid for blob space are included in this calculation in addition to transaction base fees.
SplyBurntUSD	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
SplyContNtv	A contract can still be interacted with after SELFDESTRUCT is called in a transaction that isn't the creating transaction. From the Dencun harfork onwards, we consider contracts on which SELFDESTRUCT was called after the creating transactions as NOT destroyed and their supply will be counted in this metric.
SplyContUSD	Not directly impacted. Input metrics will be changed accordingly.
TxCnt	Type 3 transactions (i.e.: blob carrying transactions introduced as part of Dencun) will automatically be counted for this metric as any other transaction would be.
TxCntSec	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly.
TxContCnt	A contract can still be interacted with after SELFDESTRUCT is called in a transaction that isn't the creating transaction. From the Dencun harfork onwards, we consider contracts on which SELFDESTRUCT was called after the creating transactions as NOT destroyed and transactions interacting with the smart contract will still be counted in this metric.
TxContDestCnt	A contract can still be interacted with after SELFDESTRUCT is called in a transaction that isn't the creating transaction. From the Dencun harfork onwards, we consider contracts on which SELFDESTRUCT was called after the creating transactions as NOT destroyed and the transaction calling SELFDESTRUCT is not counted in this metric.
TxMeanByte	This metric is not directly impacted. However one or more of the metrics used to compute this metric are impacted and adjusted accordingly. Computed as BlkSizeByte / TxCnt.