FABRIC V8.3.0 HOT FIX 5 RELEASE NOTES

These Release Notes describe the new features in Fabric release V8.3.0 HF5 and list bugs that have been fixed since the V8.3.0 HF4 release.

Certification of this Fabric release is based on:

- Cassandra version 4.1.8
- SQLite version 3.46.1
- OpenJDK Runtime Environment 21.0.4+7
- Confluent Kafka version 7.9.2
- Neo4j enterprise 5.26.13
- Elasticsearch 8.5.3
- AWS OpenSearch 1.3.4
- PostgreSQL 17.5

NEW FEATURES AND RESOLVED ISSUES

- Masking Enhancements
    - Support for masking complex fields at all hierarchy levels.
      Masking now applies consistently across nested and multi-level data structures.
    - Preservation of original data types for masked values.
      Previously, all masked values were serialized as strings. A new configuration parameter, SERIALIZE_CACHED_VALUE, has been added to the Fabric config.ini file.
        - Default value: false (maintains the previous behavior of serializing all types as strings).
        - When set to true, masked values are serialized while retaining their original data types.
- New image-manipulation Broadway actors were added:
    - ImageBlur - blurs an area of an image
    - ImageDraw - draws geometic shapes inside an image
    - ImageOverlay – overlays one image onto another image
- Resolved 3rd party security vulnerabilities.