RedisAI 1.0 release notes

Requirements
RedisAI v1.0.2 requires:

- Minimum Redis compatibility version (database): 5.0.7
- Minimum Redis Enterprise Software version (cluster): 5.4.11

v1.0.2 (October 2020)
This is a maintenance release for version 1.0.

Headlines:
This release improves overall stability and provides fixes for issues found after the previous release.

Details:

- Minor updates:
  - #383 Enable AI.SCRIPTRUN inside AI.DAGRUN
  - #395 Add support for variadic arguments to AI.SCRIPTRUN
  - #400 Low level API additions for use in other modules (e.g. RedisGears)
  - #396 Add relevant RedisAI config entries to the Redis INFO output. Helpful for standard monitoring systems

- Bug Fixes:
  - #403 Atomic ref count
  - #406 Avoid splitting outputs in batches when nbatches == 1
  - #438 Fixed flagged as “getkeys-api” during the registration (AI.DAGRUN, AI.DAGRUN_RO, AI.MODELRUN, AI.SCRIPTRUN)
  - #449 Safely add to arrays
  - #443 Segfault for AI.DAGRUN + AI.TENSORSET

v1.0.1 (July 2020)
This is a maintenance release for version 1.0.

Headlines:

- This release improves overall stability and provides fixes for issues found after the previous release.

Details:

- Bug Fixes:
  - 7f87f85 Allow inconsistent zero batch outputs.
  - #383,#382 AI.SCRIPTRUN results were being replicated twice.
  - #384 AI.MODELRUN to return inputs, outputs, batchsize, and minibatchsize.
  - #412 Several memory leaks.
v1.0.0 (May 2020)

Supported Backends:

- TensorFlow Lite 2.0
- TensorFlow 1.15.0
- PyTorch 1.5
- ONXXRuntime 1.2.0

New features:

- #241, #270 auto-batching support. Requests from multiple clients can be automatically and transparently batched in a single request for increased CPU/GPU efficiency during serving.
- #322 Add AI.DAGRUN. With the new AI.DAGRUN (DAG as in direct acyclic graph) command we support the prescription of combinations of other AI.* commands in a single execution pass, where intermediate keys are never materialised to Redis.
- #334 Add AI.DAGRUN_RO command, a read-only variant of AI.DAGRUN
- #338 AI.MODELSET Added the possibility to provide a model in chunks.
- #332 Standardized GET methods (TENSORGET,MODELGET,SCRIPTGET) replies (breaking change for clients)
- #331 Cache model blobs for faster serialization and thread-safety.

Minor Enhancements:

- #289 Memory access and leak fixes.
- #319 Documentation improvements.

Build Enhancements:

- #299 Coverage info.
- #273 Enable running valgrind/callgrind on test platform
- #277, #296 tests extension and refactoring per backend.

Updated: December 14, 2021