



Release Notes

Apusic In-Memory Data Cache

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Contents

- 1 Preface
 - 1.1 Target Audience
 - 1.2 Related Documentation
 - 1.3 Technical Support
- 2 Release Notes
 - 2.1 About This Version
 - 2.2 New Features and Enhancements
 - 2.2.1 Cache Core
 - 2.2.2 Console
 - 2.3 Major Technical Changes

1 Preface

This document provides the release notes for Apusic In-Memory Data Cache (AMDC) V2.0.6, helping users quickly understand the content of version updates.

1.1 Target Audience

This document is intended for R&D managers, technical architects, R&D engineers, middleware operations technicians, and anyone interested in AMDC products.

1.2 Related Documentation

For more information about AMDC V2.0.6, please refer to the following AMDC V2.0.6 product manual documentation set:

No.	Document	Description
1	Apusic In-Memory Data Cache V2.0.6 Quick Start Guide	A brief introduction on how to quickly get started with AMDC.
2	Apusic In-Memory Data Cache V2.0.6 Installation Guide	Detailed introduction on how to install AMDC on various operating systems, AMDC service start/stop operations, and the product registration process.
3	Apusic In-Memory Data Cache V2.0.6 Cache Core User Manual	Detailed introduction to AMDC cache core features, configuration parameters, and usage instructions.
4	Apusic In-Memory Data Cache V2.0.6 Console User Manual	Detailed instructions on using and operating AMDC console features.
5	Apusic In-Memory Data Cache V2.0.6 Development Guide	Detailed instructions for developing AMDC client applications using various programming languages.
6	Apusic In-Memory Data Cache V2.0.6 Migration Guide	Detailed instructions for migrating AMDC from historical versions to V2.0.6, as well as migrating from Redis to AMDC.
7	Apusic In-Memory Data Cache V2.0.6 Operations Guide	Detailed instructions for AMDC monitoring, operations, security

		hardening, and other operational procedures.
8	Apusic In-Memory Data Cache V2.0.6 Performance Tuning Guide	Detailed introduction to AMDC performance tuning, parameter optimization, stress testing methods, and performance monitoring.

1.3 Technical Support

AMDC products provide comprehensive technical support services. You can obtain technical support through the following channels:

- Website: www.apusic.com
- Phone: 400-855-5800
- Email: support@apusic.com
- Kingdee Cloud Community: <https://vip.kingdee.com/?productId=73&productLineId=14&lang=zh-CN>

When requesting technical support, please provide the following information:

1. Your name
2. Company information and contact details
3. Operating system and version
4. Product version number
5. Detailed information including logs, screenshots, etc. of any exceptions or errors

2 Release Notes

Apusic In-Memory Data Cache software (Apusic In-Memory Data Cache, abbreviated as AMDC) V2.0.6 is an enterprise-grade, high-performance distributed cache middleware that is fully compatible with the Redis protocol and development ecosystem, enabling seamless migration without modifying existing business applications. AMDC features core capabilities including high-performance millisecond-level response, high availability with multi-replica fault tolerance, and high scalability with elastic expansion, along with refined web-based visual management. It provides secure and reliable high-frequency data access support for critical business in high-concurrency and distributed scenarios, effectively reducing database pressure and improving overall system throughput.

2.1 About This Version

AMDC V2.0.6 is compatible with **Redis 8.6**, supports hot update of authentication center authorization files, and the Web console provides core support for V2.0.3, V2.0.4, V2.0.5, and V2.0.6 versions.

2.2 New Features and Enhancements

2.2.1 Cache Core

- Fully compatible with **Redis 8.6**, adapting to the features and security capabilities of the new version
- Deep support for Chinese national cryptographic algorithms SM2/SM3, implementing full-link TLS encrypted communication based on Chinese cryptography to meet compliance requirements
- The amdc-check-rdb tool has completed compatibility adaptation for RDB version 13, fully covering RDB files from all historical versions of AMDC and Redis, providing integrity verification and exception repair capabilities
- Adapted to mainstream Redis ecosystem plugins: RedisBloom, RedisSearch, RedisJSON, RedisTimeSeries, Vector Sets, etc.

2.2.2 Console

- Comprehensively optimized and upgraded the console's interaction design and operation logic
- Supports smooth migration of Redis/AMDC
- Added support for V2.0.6 cache core features in the console
- Three-role permission control as required by MLPS 2.0 (Multi-Level Protection Scheme), supporting multi-tenancy and user security policy configuration

- Supports upgrade and rollback between different AMDC versions
- Supports updating cluster topology status
- Supports AOF (Append Only File) backup and restore
- Supports the deployment mode that integrates with the authorization center
- Supports viewing cache logs, and splitting and downloading large logs
- Optimized monitoring metrics, supporting data analysis for AMDC
- Full support for CLI + AI SKILL, enabling direct operations on AMDC in natural language

2.3 Major Technical Changes

- Added support for the Multi-Path TCP (MPTCP) protocol. In large-volume data transfer scenarios, overall transmission performance is improved by approximately 70% ~ 120% (compared with single-path TCP), greatly optimizing data transfer efficiency and stability for high-traffic, high-throughput workloads.
- Newly designed and optimized console user interface, providing a more user-friendly operating experience.

UNIFIED SERVICE HOTLINE

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