

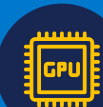
ACCELERATE AI WITH A READY-TO-USE ML TOOLKIT

CoreAI is a Docker-based solution that provides pre-configured environments for machine learning, computer vision, and natural language processing development. It enables fast prototyping, testing, and deployment for machine learning practitioners and developers.

Key Features



Comprehensive Pre-Built Containers: CoreAI offers Dockerfiles that include CUDA, TensorFlow, PyTorch, and OpenCV, creating an all-in-one solution for AI development. This avoids the hassle of manual installations and potential compatibility issues.



Multi-GPU Support with CUDA: CoreAI is optimized for GPU acceleration, enabling developers to harness the power of NVIDIA GPUs for faster training and inference of machine learning models, which is particularly useful for large datasets and complex neural networks.



Support for Leading AI Frameworks: CoreAI integrates with both TensorFlow and PyTorch, providing flexibility for developers to use their preferred machine learning libraries.



Automated Container Builds: Using Dockerfiles, CoreAI automates the build process for development environments. This ensures that the containers are always up-to-date with the latest versions of libraries and tools, simplifying maintenance.



Modular Design for Customization: Developers can modify the Dockerfiles to include specific versions of libraries or additional tools, allowing customization to match specific project needs or organizational standards.

Accelerated AI Development: By offering pre-configured Docker containers with key AI libraries, CoreAI eliminates the time-consuming setup process, allowing developers to focus immediately on model development and experimentation.



Cross Platform Compatibility: Docker containers create a consistent development environment, which reduces the "it works on my machine" problem, enabling seamless collaboration across development teams.



Resource Optimization: The integration with NVIDIA CUDA allows for efficient use of GPU resources, significantly improving the performance of computationally intensive machine learning, computer vision, and natural language processing tasks.



Flexibility and Modularity: Developers can easily switch between frameworks (e.g., TensorFlow and PyTorch) within the same containerized environment, supporting diverse project requirements and avoiding dependency conflicts.



Scalable Deployments: The ability to containerize entire AI workflows ensures that models and applications can be deployed to cloud environments or on-premise infrastructure with minimal effort and maximum reliability.



Benefits



UEI: KWCXRVLB3VF7 Cage Code: 5U0E2



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