MachinaCore

MachinaCore is an ultra-lean, platform independent, highly scalable framework to build and run high performance data analytics and heavy computing workload applications.

It's built on top of cutting edge technologies and based on standardized modules and plugins. **Machina**Core comes with its own Software Distribution & Packaging System, as well as the industry standard Data Science and Machine Learning related Python libraries.

FEATURES	
Multiple Data Sources	Supports RSI Feeds, Social Media, Blogs, Websites, Discord, Telegram.
Modular API connectors	Our Modular API connector architecture allows quick and efficient integration of new components.
Scalable API Load Execution	Execute workloads or gather data from remote API's via our proprietry and secure technology to overcome limitations.
Integrated Infrastructure Backup/ Restore Module	Backup to FileShares, logical volumes, physical volumes as well as remote volumes on the cloud (Google Drive, Onedrive).
Highly Customizable UI compenents	Customizable views & flows from our vast collection of assorted reusable UI components.
Plugin based	Framework uses standardized API's internally and new components are built as plugin.
Scalable Architecture	Supports all type of hardware infrastructure components on supported operating systems.
Integrated Load Balancing	Supports decentralized multi-node computing of workloads.
Standardized Python Editor for Data Science	Use our integrated python libraries to build your data science models.
Infrastructure & Service Performance and Health Monitoring	Monitor your hardware infrastructure and obtain up to date information of your systems health status.
Easy Configuration Wizards	Build easy configuration wizards using the integrated framework or select and customize your own library.

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SPECIFICATIONS	
Supported Operating Systems	Windows, Linux, Mac
Supported Cloud Scenarios	Cloud Virtual Machines, Containers, Baremetal
Supported Databases	NoSQL, RavenDB, MongoDB, Postgres
Packaging & Deployment Module	We're fully compatible with the portable apps platform, for a complete list of portable apps see www.portableapps.com
Builtin Data Science Python Editor Libraries	Sklearn, scipy, keras, tensorflow, talib, statsmodels, xgboost, Pytorch, PyStan, NLTK, BeautifulSoup, Google Word2Vec.
Standard REST API (with Swagger Support)	API's for execution enable remote debugging of data-science editor scripts and models.

Interested?
Feel free to get
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