



MachinaCore is an ultra-lean, platform independent and highly-scalable framework for constructing and dispatching high-performance data analytics and heavy computing workload applications.

It is built with cutting-edge technology and is based on standardized modules, based on .Net. **MachinaCore** comes with its own Software Distribution & Packaging

System, as well as the industry standard Data Science and Machine Learning related Python libraries.

SPECIFICATIONS

Supported Operating Systems	Windows, Linux, macOS, BSD
Hosting Scenarios	Cloud Virtual Machines, Containers, Baremetal
Supported Databases	Postgres, MongoDB, RavenDB, MySQL, MariaDB, SQLite
REST API	Swagger Support
Technology Stack	.NET (Core), Razor, Blazor, VueJS, NodeJS, Python3

FEATURES

Modular API connectors	Our Modular API connector architecture allows a quick and efficient integration of new components
Scalable API Load Execution	Execute workloads or gather data from remote APIs via our proprietary and secure technology to overcome limitations
Highly Customizable UI components	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 a plugin
Scalable Architecture	Supports all type of hardware infrastructure components on supported operating systems
Integrated Load Balancing	Supports decentralized multi-node computing of workloads
Infrastructure & Service Performance and Health Monitoring	Monitor your hardware infrastructure and obtain up to date information about your system's health status
Easy-built Configuration Wizards	Build easy configuration wizards using the integrated framework or select and customize your own library

MODULES		
		FEATURES
Backup	Schedule backup plans	ssh support, rsync flags, delta transfer, logging
CloudDrive	File sync/backup to cloud storage	Support for: 1Fichier, Alibaba Cloud (Aliyun) Object Storage System (OSS), Amazon Drive, (See note)Amazon S3, Backblaze B2, Box, Ceph, Citrix ShareFile, C14, DigitalOcean Spaces, Dreamhost, Dropbox, FTP, Google Cloud Storage, Google Drive, Google Photos, HTTP, Hubic, Jottacloud, IBM COS S3, Koofr, Mail.ru Cloud, Memset Memstore, Mega, Memory, Microsoft Azure Blob Storage, Microsoft OneDrive, Minio, Nextcloud, OVH, OpenDrive, Openstack Swift, Oracle Cloud Storage, ownCloud, pCloud, premiumize.me, put.io, QingStor, Rackspace Cloud Files, rsync.net, Scaleway, SFTP, StackPath, SugarSync, Wasabi, WebDAV, Yandex Disk, The local filesystem Connectable with Backup Module
CryptoCoins	Mining rig control software	
Electron	Run MachinaCore modules as desktop applications	Support for: Windows, Linux, macOS
FileExplorer	Web UI for your local file system	Requirement for Backup and CloudDrive Modules
Hydra	Deployment and automatization system	Server installation, dependency installation, system setup, monitoring
JSScripting	Script tasks with javascript, NodeJS	
Odoo Connector	ERP/CRM Connector	WooCommerce, Wordpress, Import/Export Excel
PythonNet	Script tasks with Python	numpy, Sklearn, scipy, keras, tensorflow, talib, statsmodels, xgboost, Pytorch, PyStan, NLTK, BeautifulSoup, Google Word2Vec., and unlimited custom libraries Enable remote debugging of data-science editor scripts and models
Drone Network Manager	Deploy tasks to multiple scalable nodes automatically	
WebEditor	Create Website/Dashboard Widgets using a WYSIWYG drag&drop editor	



MODULES		FEATURES
WebScaper		Supports RSS Feeds, Social Media, Blogs, Websites, Discord, Telegram
App Manager	Custom Machina Apps & compatible with the portable apps specifications (for a complete list of portable apps see www.portableapps.com)	Microsoft Windows support, option to override UAC
Hardware Monitor	CPU, GPU, Network etc.	Support for: Windows, Linux
GitHub Connector	Manage Scripts, Widgets, etc. with GitHub	

Interested?

Feel free to get in touch:

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