

Datasheet

iCAP

Innodisk Cloud Administration Platform

- Device management
- Dashboard centralized management
- SMART storage health monitoring
- Intelligent failure notification
- System backup and recovery
- External sensor/IO integration

Introduction

Innodisk cloud administration platform is a remote device management system for both private and public clouds, which primarily focuses on storage device management and monitoring. It provides remote device surveillance features, and also integrates with external sensors and IOs, offering a customizable approach to any application.

iCAP utilizes the standard MQTT protocol from IBM. This machine-to-machine (M2M)/ Internet of Things (IoT) connectivity protocol is used to communicate with IPCs, IoT devices and sensors. iCAP also provides an agent application for data collection from devices, as well as RESTful API web service that allows the user to customize and integrate their specific application into the iCAP system.

iCAP is an IoT management platform that accesses connected devices through a centralized dashboard. The user can easily manage system/ storage status monitoring, system backup/recovery and remote control functions.



Innodisk Cloud Administration Platform

Contact us for more information on iCAP

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.



Key features

Device management

- Wide compatibility with Windows and Linux devices.
- Effectively monitor remote device status, including device CPU information, internet connection status, CPU/Memory usage, voltage, fan speed etc.
- User-friendly monitoring function allowing the user to manage and analyze storage information in detail

Dashboard View

The Dashboard not only contains data management functions, but also several customizable widgets including gauges, Google Maps, and various tables presenting device data.

Flexible Deployment

Rapid deployment whether it is on the Cloud or On-premise.

Smart Prediction and Analysis

By analyzing the read/ write behavior of connected storage devices, iCAP can accurately predict remaining storage device lifetime. This is done by accessing the SMART attributes of Innodisk storage devices.

Effective Event Tracker

iCAP will continuously update the user of any changes through the event notification tracker.

System Backup & Recovery

By integrating our iCover tool, iCAP can remotely initialize rapid system backup and recovery.

Extended Device Compatibility

With its agent API, iCAP can still access any user device that is not included by default through its agent API.

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Specifications

	Free trial	Standard	Professional
Device management			
System status Monitoring	√	√	√
System threshold setting	√	√	√
Storage monitoring	√	√	√
Management interface			
Dashboard management	√	√	√
Account management	√	√	√
Mobile access	√	√	√
Network setting			
MQTT	Port:1883		
Web Service	Port:5000		
Remote upgrade			
FW upgrade	√	√	√
System failure notification			
Alert function		√	√
Event log	√	√	√
Email notification		√	√
System Backup/Recovery			
iCover Backup/Recovery		√	√
Others			
External sensor/ IO info			√
Scenario application			√
iCAP Agent SDK			√

Minimum Requirements

Web Service:

Web browser that supports HTML5+CSS3+Javascript

- Microsoft Internet Explorer 10+
- Google Chrome:9.0+
- Safari:5.1+

Server:

Hardware Minimum Requirement

- IntelR Core™ i3 2.3 Ghz CPU or above
- 4 GB RAM
- 20 GB root partition for the system
- 100 GB data storage partition for documents and indexing

Operation System

- Ubuntu 12.04+
- Docker 17.03+

Agent:

Hardware

- Bundled with Innodisk Storage products

Operation System

- Windows 10/8.1/7/XP kernel 32/64-bits
- Ubuntu 16.04 64-bits
- Debian 8 64-bits
- Others by request

Ordering Information

Standard Version*

Professional Version* **

*The standard and professional version license fee is decided by the amount of connected agents, with different price tables depending on the maximum connected agents.

** The customized version license fee is calculated on a case-by-case basis.

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