



MACS3 API SERVICES

When key calculation results of loading computers such as stability are available independent of its on-board version, new use cases and analytics become feasible. MACS3 API Services enables accessibility of ship-specific loading computer calculation results in the cloud.

MACS3 API Services is a cloud-based data processing service. It provides a RESTful API to seamlessly integrate valuable ship-specific calculation results into IT environments and internal processes.

As result, it reduces manual- and paperwork and mitigates errors caused by transferring different media.

As of now, Navis provides MACS3 API Services that allow direct access to ship-specific loading computer calculation results such as:

Stability & Strength – all relevant stability and strength calculations based on class-approved vessel profile

Dangerous Goods (DG) – DG calculations according to the vessel's Document of Compliance (DoC) and/or the DG segregation check

Lashing – lashing calculations, including all the latest regulations by all major classification societies

Condition Check – evaluation of specific loading condition calculations

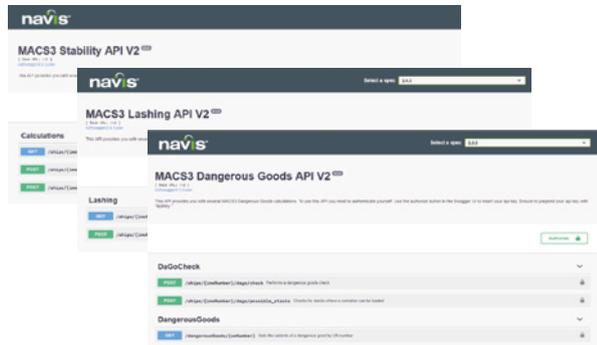
MACS3 API Services assists ship owners, ship managers, ocean carriers, port authorities, coast guards and 3rd party vendors in making processes more effective.

BENEFITS

- ✓ Available for stability & strength, DG, lashing and condition check
- ✓ RESTful API
- ✓ Standard response format JSON
- ✓ Reliable, scalable and secure global cloud infrastructure
- ✓ .NET SDK available on NuGet
- ✓ SDK source code available on GitHub

FEATURES

- ✓ Based on RESTful APIs
- ✓ Service documentation based on Swagger, an open source and professional toolset that simplifies API development for developers
- ✓ Using package manager NuGet to distribute SDKs for integration into your application



Picture Credit: MACS3 Connected API Services for Stability, Lashing and DG

PACKAGING

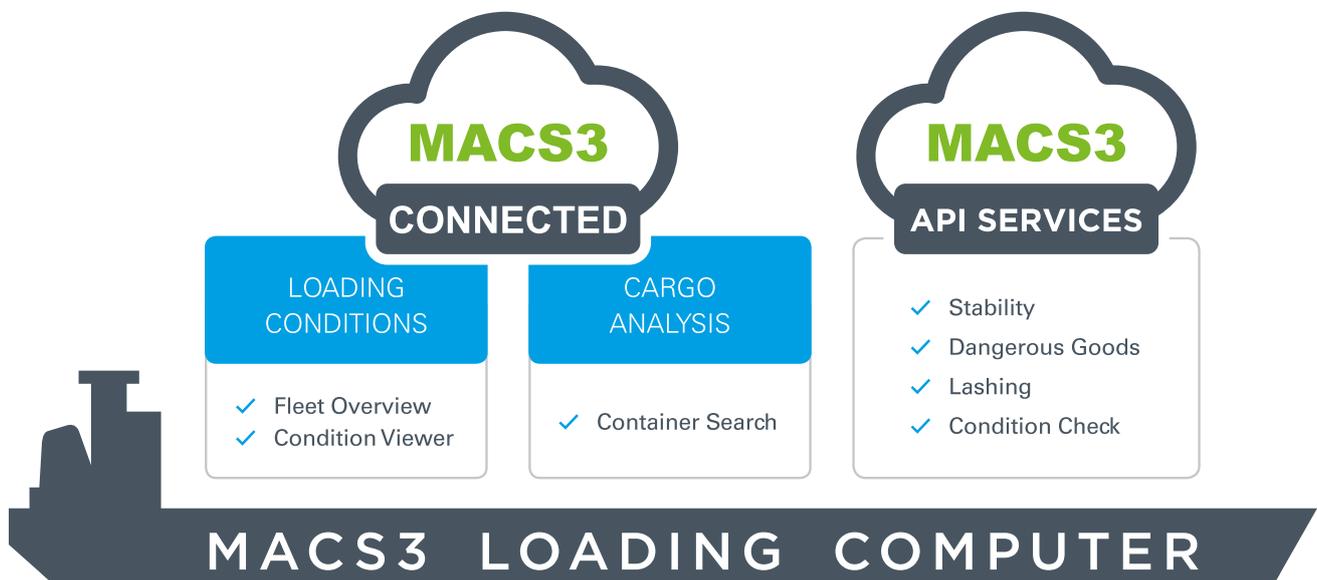
Subscription

- ✓ Monthly fee based on a daily quota (number of calls per day)

Scope of Service

- ✓ Maintenance of MACS3 calculation engine
- ✓ First level technical support for API services
- ✓ Globally distributed cluster to provide low latency responses and highest availability

AT A GLANCE



If you have any enquiries or would like to set up an appointment with one of our sales representatives, please phone or e-mail us:

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