



ALPHAREN CORE-Integrator (ARINT) System

(c) 2021 RENware Software Systems. RESTRICTED only for project internal use

Core-Integrator System Overview

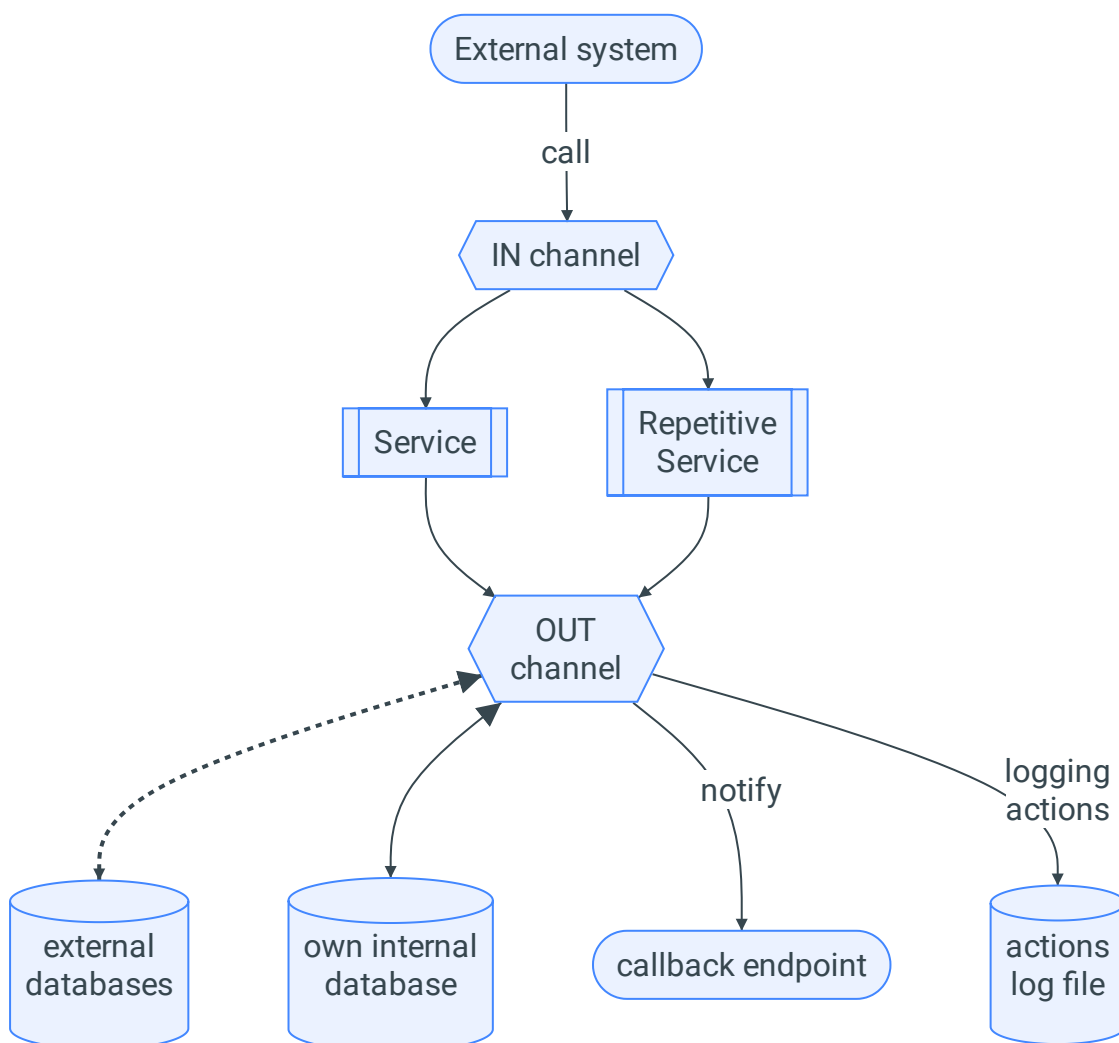
Table of contents:

- [Core-Integrator System Overview](#)
 - [Fundamental features](#)
 - [Detailed features](#)
 - [Typical use cases](#)

ALPHAREN Core Integrator (aka **ARINT** or **arint**) system is a product (available as *software* or *appliance*) aimed to assure operation (and integration) of different and various informational services between systems.

It acts as a high level *ESB* or *ESOA* to connect different micro-services and to make them to work **as one**. As example it is used for almost all *RENware Software Systems* products. Of course it can be used for **CUSTOMER SYSTEMS and SERVICES** too.

ARINT very general and generic process flow is:



Fundamental features

- **ANYWHERE.** can work even the systems that must be integrated are in different non routable LANs (address systems at `http` protocol level)
- **ANYHOW.** is agnostic to format, composition, structure, encoding of information required / provided by systems that must be integrated
- **ANYTIME.** can work as a distributed high scalable cluster of "**ALPHA-REN Integrator Machines**"
- **SECURED.** can work with any public standard (ie, defined at least as `RFC`) of Internet security

Detailed features

For [features list go here](#)

Typical use cases

ALPHAREN CORE-Integrator is used for enterprise, business integrations, data science, IoT and other scenarios that require integrations of multiple systems.

Real-world, production **ALPHAREN CORE-Integrator** environments include:

- A platform for processing payments from consumer devices
- A system for a telecom operators integrating CRM, ERP, Billing and other systems as well as applications of the operator's external partners
- A data science system for processing of information related to securities transactions (FIX)
- A platform for public administration systems, helping achieve healthcare data interoperability through the integration of independent data sources, databases and health information exchanges (HIE)
- A global IoT platform integrating medical devices
- A platform to process events produced by early warning systems, (ex SAP EWS)
- Backend e-commerce systems managing multiple suppliers, marketplaces and process flows B2B platforms to accept and process multi-channel orders in cooperation with backend ERP and CRM systems
- Platforms integrating real-estate applications, collecting data from independent data sources to present unified APIs to internal and external applications
- A system for the management of hardware resources of an enterprise cloud provider
- Online auction sites
- E-learning platforms
- ad-hoc data API for databases, protecting them to direct access