CONGETHER

Application Management with Congether

How centralized configuration- and monitoring-strategies can improve your application-lifecycle and software-quality.

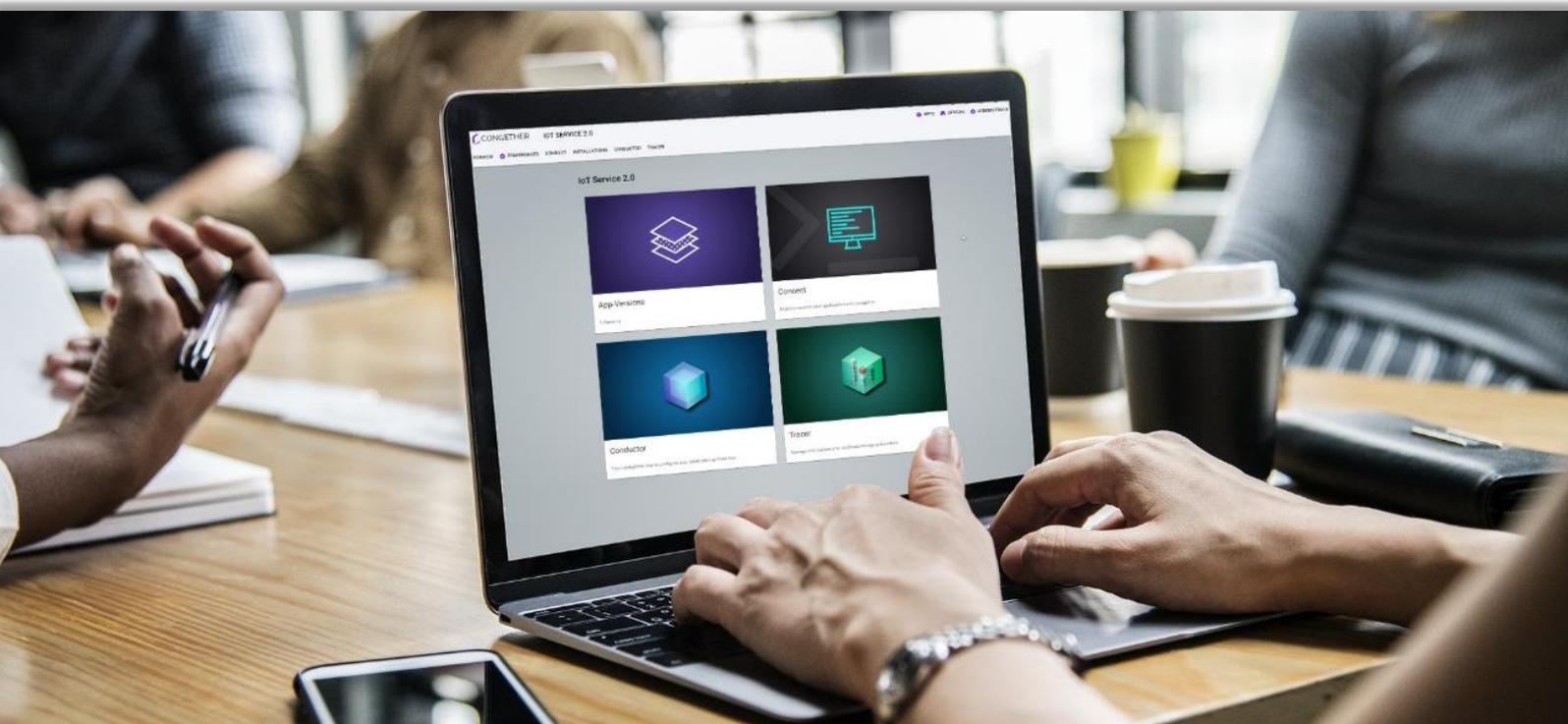**SCHNELL**.technology

Application Management

In times of distributed applications, different platforms and agile development, many demands and conditions often facing each other. The question which every company asks is - how do you create a software which is high of quality, always adaptable and most notably, how can I achieve a certain flexibility after delivery and distribution?

No matter which project management skills are used, the goal is always the delivery of a software and its completion. It doesn't matter whether you are developing an individual application for a customer, an IoT application running on hundreds of identical devices or building a mobile app that can be run on different platforms.

In order to counter these challenges, it is important to centrally manage the entire application system and to avoid bug fixes in advance or to keep their impact to a minimum.

In combination with forward-thinking application-management-strategies and Congether, it will helps you address these challenges.

Find out how Congether can be used and how you can develop appropriate strategies to gain an advantage during and after the development of your solutions.

Contents

For more informations, visit
https://schnell.technology/ or https://congether.com/

Why Application Management is essential

A few years ago, the development process of software was still relatively simple. Based on a specification, a handful of technologies were selected. Using these technologies, the specification was translated into a business application by experienced developers.

Nowadays the development of such applications is agile and the customer expects ever faster deliveries and new features. Due to these requirements and the increasing spread of various frameworks and services, it is not possible to deliver an application that is as error-free as possible, even at great expense.

Thus strategies are necessary which are applied during the development cycle and aim at making an application as flexible as possible even after delivery. The first step is to monitor the software to ensure that errors are detected as quickly as possible. The second step is to make the application so dynamic that it can be controlled in its behavior via centralized configurations even during operation.

Technical complexity in the development process

Cross-Platform Applications

Responsive UI

Microservices

Virtualization and Containerization

External Services and APIs

Organizational complexity in the development process

Vague Specifications

Agile development and sprinting

Closer test cycles

How Congether help you tackle these challenges

Congether gives you a modular platform, which is designed to help developers with these challenges.

You can manage your software hierarchical by applications, versions, devices and even down to the installation-layer.

Currently two modules are available for this described scenarios. Monitoring your application and configure it from a single place.

With the open APIs, you can connect your software easily with Congether, get the individual configuration or transfer logging-informations or measured data. With the available open-source SDKs the work with Congether is even more comfortable.

Flexible
Host Congether on-premise, in the cloud or as in your Docker-environment

Simple
Manage your applications in a simple web-interface

Extensible and Open
The APIs are completely open and available for everyone

SDKs and APIs for your Apps
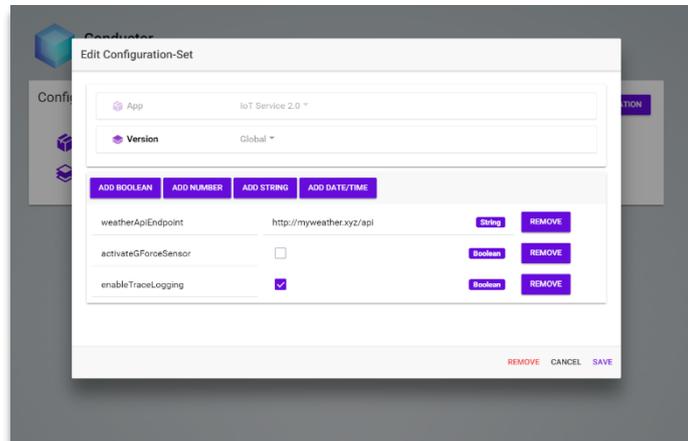Use the open APIs or the more powerful SDKs for your programming-framework

Modular
Congether is module-based, which means that more solutions for your centralized application management will be available.

Conductor

Manage configuration-sets for your applications, versions, devices and installations.

Tracer

Transfer and analyze log-events and metric-values in a single place.

Conductor – one place to configure, everywhere to benefit

With the module "Conductor", various configuration sets can be created for a desired level (application, version, device or installation).

In these configuration sets, the individual parameters (as key value) can then be stored. A big benefit of this module is that these configurations can be overwritten by the lower level.
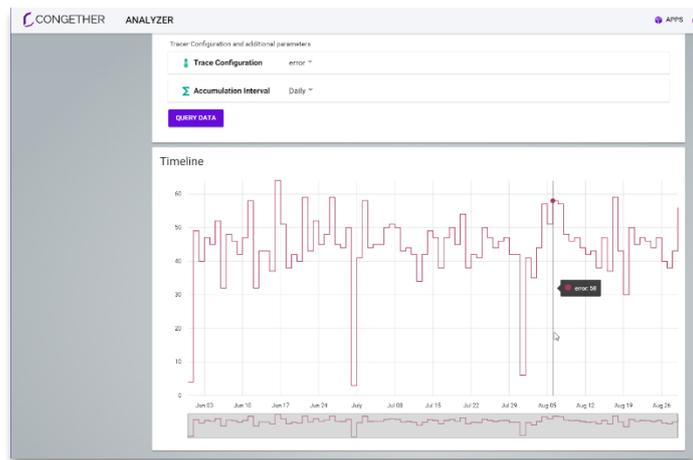
This means that an application "A" with the version "1.0" and the device ID "X" request its application-configuration, then exactly this device will receive a configuration, which provides all parameters for this endpoint. Thus each endpoint receives an individual configuration - this is a feature that makes working with central configurations completely dynamic and helps you making your application much more flexible.
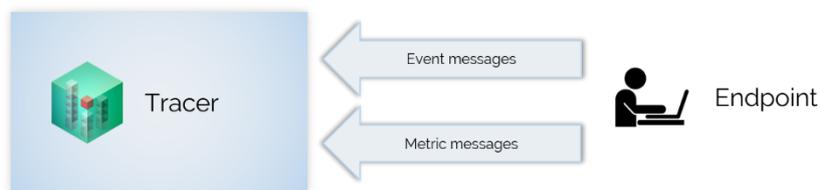

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Tracer – collect log-information and statuses from anywhere

The "Tracer" module allows you to transmit and analyze various events or measurement data to your Congether instance from within an application. These can be e.g. error messages, but also the number of logged in users or a time measurement, how long a typical operation takes. This information can, provide information about the performance of the application for individual users and where errors can occur.

This information can help to identify errors that are difficult to reproduce more quickly or to point out performance problems at an early stage. In combination with a highly dynamic configurable application, it is possible to solve a problem without a new deployment.

Working on a strategy to minimize hotfixes and updates

With the presented tools the technical prerequisite is created to be able to administer, monitor and configure applications quickly and easily. In order to get the most out of these tools, you need a strategy for how to use them during development.

The combination of monitoring options and hierarchical configuration offers countless possibilities.

In the course of configuration, a distinction must be made between the following configuration types for each application and whether it makes sense to be able to manage them centrally and subsequently.

Environment	**Parameters**	**Featureset**
Handling the application-environment.	Handles the behavior of a functionality.	Handles, which Features are available.
Examples	**Examples**	**Examples**
Connection-Strings Directories Service-URLs	Thresholds Logging-Level Modes	Activate new or beta-features for specific customers
		Deactivate features in case of unstable behavior

With the right balance between traceable log-informations and a high set of configurable parameters, you can prevent unnecessary bugfixes, increase customer-satisfaction, the quality and flexibility of your solutions.

Interested? Get Congether!

Congether has different license-models to fit your needs. Go to our webpage and find yours now.

congether.com/get

Got questions?

To get and learn more about Congether, please visit

https://congether.com/

if we can help you on how to use Congether, please feel free to contact us.

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