Welcome package v2.0

agrirouter main integration process for new partners

Step 1

| 1.1 First contact with DKE-Data | 1.2 Sign provider agreement |

Please note: Steps 1, 2 and 3 can be started in parallel. The final partner agreement signing is not necessary to start the development.

Step 2

| 2.1 Create marketplace account | 2.2 Create solution in marketplace | 2.3 Select „coming soon" label | 2.4 Approval from support team |

agrirouter Quality Assurance environment (QA)

Step 3

| 3.1 Create developer account | 3.2 Register & submit your solution | 3.3 Approval from support Team | 3.4 Contact certification company | 3.5 Integrate interface in your solution | 3.6 Test interface & messaging |

agrirouter Production Environment (Prod)

Step 4

| 4.1 Create developer account | 4.2 Register & submit your solution | 4.3 Approval certification company | 4.4 Approval from support team | 4.5 Test interface & messaging | 4.6 Approval for your end customer |

Your personal contact for partner agreement

Dr.-Ing. Jens Möller

General Management

Phone: +49 541 20197 001
Mail: j.moeller@dke-data.com

-> further contacts: https://my-agrirouter.com/en/company/contact/

Please Note: The final partner agreement signing is not necessary to start the development.

agrirouter marketplace

agrirouter marketplace

➢ The agrirouter **marketplace contains two central information websites for** [agricultural software](#) **and** [telemetry connections](#), which is offered by third-party providers for data exchange with the agrirouter and has been certified by a third-party company.

➢ The **contents and functionalities of the respective solution as well as their description** in the agrirouter marketplace are the responsibility of the respective provider.

Create agrirouter marketplace content

DKE
DATA

| 2.1 Create marketplace account | 2.2 Create solution in marketplace | 2.3 Select „coming soon" label | 2.4 Approval from support team |

➢ Create agrirouter marketplace content**:**

Step 2.1 Please go to: https://my-agrirouter.com/en/interner-bereich/my-agrirouter/choose-maintance/

Step 2.1 Click on the register button, then you will get a new window: https://my-agrirouter.com/en/interner-bereich/my-agrirouter/registration/

Step 2.1 Register your company as a partner. The support team will be notified automatically by mail.

Step 2.2 After approval from the support team, you can login and fill out your marketplace content in DE, EN, FR and RU languages.

Please find additional information under: my-agrirouter.com Marketplace :: agrirouter Docs

Step 2.3 Select "coming soon" label, if your solution is not yet approved by the certification team.

Step 2.4 The support team will be notified automatically to review and approve your solution.

Step 2.4 If everything is fine, your content entry will be visible in the agrirouter marketplace.

⚠ If you make content changes then the content has to be reviewed and approved again.

agrirouter interface development

agrirouter developer support

Additional development support :

➢ If you need general support before starting with the agrirouter interface development (basic concepts, functionality, documentation, GitHub, etc.).

➢ If you need support during the agrirouter interface development and required assistance while agrirouter implementation.

➢ If you have spotted a developer related issue in the agrirouter solution.

Developer support contact:

➢ Email address: **developer-support@my-agrirouter.com**

➢ Telephone Number: **+49 (0) 541 20 197 004**

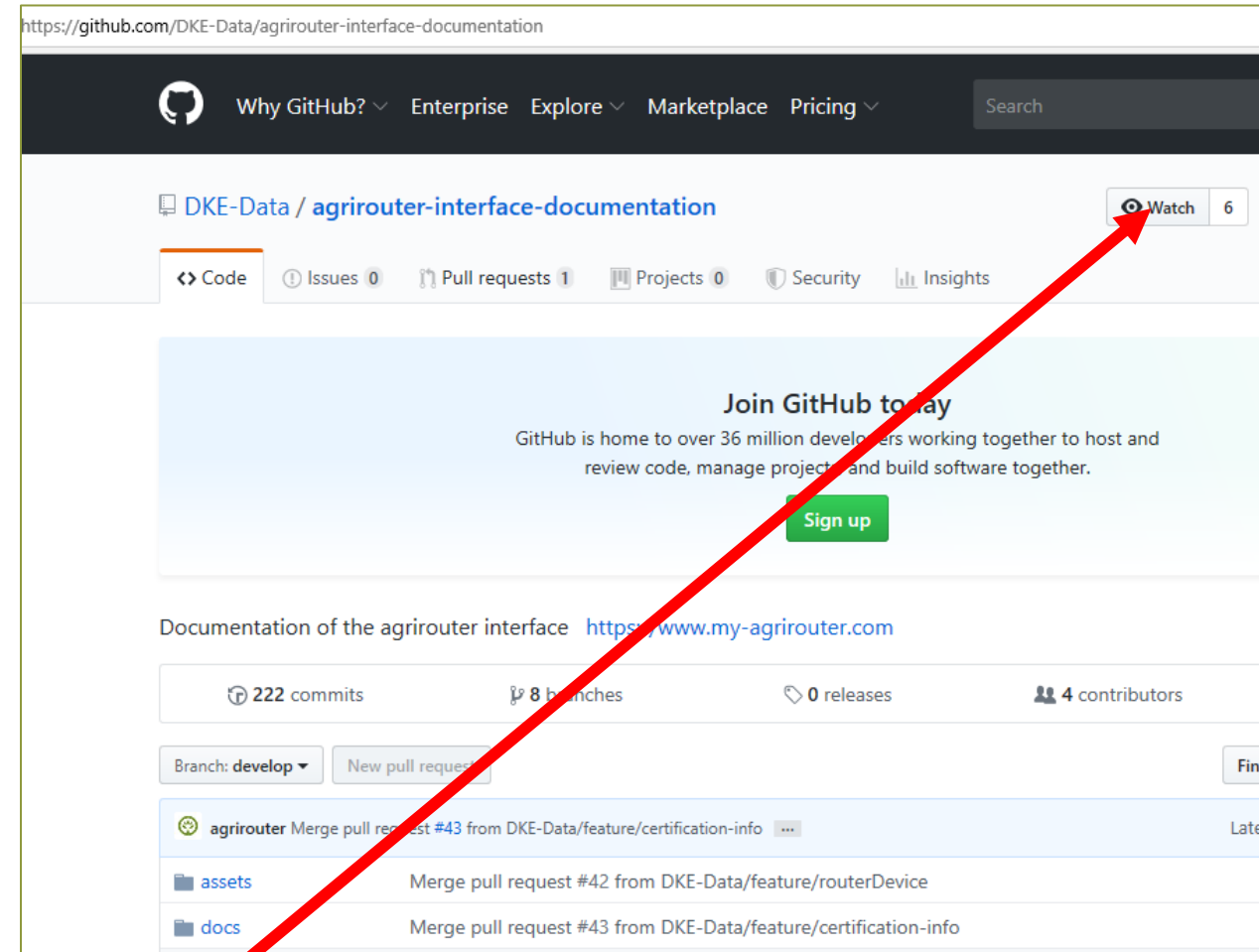⚠ Sign up to receive our technical information:
https://agrirouter.statuspage.io/

agrirouter interface documentation for developers

The whole agrirouter interface developer documentation can be found here:

https://docs.my-agrirouter.com

➢ agrirouter protobuf definitions (for API messages):

https://github.com/DKE-Data/agrirouter-api-protobuf-definitions

➢ agrirouter protobuf definitions (for message payload):

https://github.com/DKE-Data/agrirouter-tmt-protobuf-definitions

➢ and some additional postman tools:

https://github.com/DKE-Data/agrirouter-postman-tools

Please subscribe to the watchlist to be automatically informed about any changes.

Open source SDKs for the agrirouter interface

Following open source agrirouter SDKs are available:

➢ Java SDK :
https://github.com/DKE-Data/agrirouter-api-java

➢ C++ SDK:
https://github.com/DKE-Data/agrirouter-api-cpp

➢ C++ QT SDK:
https://github.com/DKE-Data/agrirouter-api-qt

➢ .NET SDK:
https://github.com/DKE-Data/agrirouter-sdk-dotnet-standard

➢ PHP SDK:
https://github.com/DKE-Data/agrirouter-sdk-php
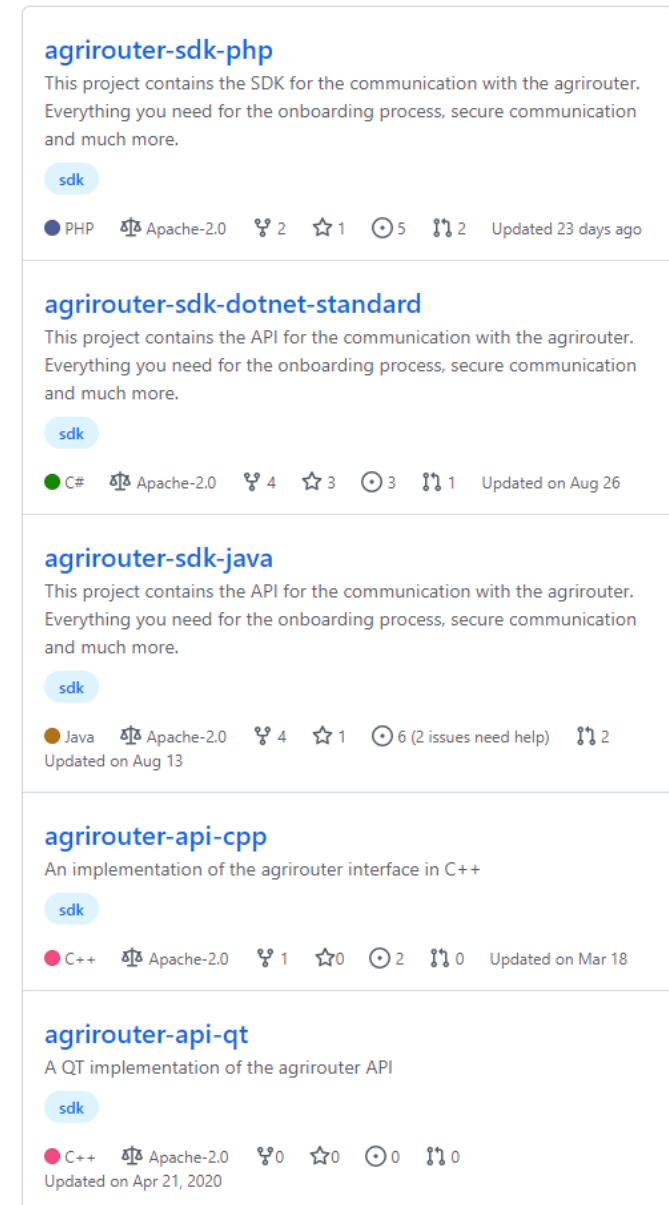
Issue and pull request creation is always welcome!

⚠️   agrirouter Slack-Workspace for direct collaboration with other developer:

https://join.slack.com/t/agrirouter/shared_invite/zt-...

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agrirouter-sdk-php

This project contains the SDK for the communication with the agrirouter. Everything you need for the onboarding process, secure communication and much more.

`sdk`

● PHP   ⚖ Apache-2.0   ⑂ 2   ☆ 1   ⊙ 5   ⇄ 2   Updated 23 days ago

agrirouter-sdk-dotnet-standard

This project contains the API for the communication with the agrirouter. Everything you need for the onboarding process, secure communication and much more.

`sdk`

● C#   ⚖ Apache-2.0   ⑂ 4   ☆ 3   ⊙ 3   ⇄ 1   Updated on Aug 26

agrirouter-sdk-java

This project contains the API for the communication with the agrirouter. Everything you need for the onboarding process, secure communication and much more.

`sdk`

● Java   ⚖ Apache-2.0   ⑂ 4   ☆ 1   ⊙ 6 (2 issues need help)   ⇄ 2
Updated on Aug 13

agrirouter-api-cpp

An implementation of the agrirouter interface in C++

`sdk`

● C++   ⚖ Apache-2.0   ⑂ 1   ☆ 0   ⊙ 2   ⇄ 0   Updated on Mar 18

agrirouter-api-qt

A QT implementation of the agrirouter API

`sdk`

● C++   ⚖ Apache-2.0   ⑂ 0   ☆ 0   ⊙ 0   ⇄ 0
Updated on Apr 21, 2020

agrirouter developer tutorials

Overview of all developer video tutorials: https://github.com/DKE-Data/agrirouter-api-developer-tutorial

➢ 01 Introduction:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/01-introduction/index.adoc

➢ 02 Creating a developer account:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/02-create-developer-account/index.adoc

➢ 03 Creating applications:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/03-create-application/index.adoc

➢ 04 Creating a maven project:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/04-create-maven-project/index.adoc

➢ 05 Onboard app instances:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/05-onboard-appinstances/index.adoc

➢ 06 Message exchange:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/06-message-exchange/index.adoc

➢ 07 Send capabilities:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/07-send-capabilities/index.adoc

➢ 08 Set up the routings:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/08-routings/index.adoc

➢ 09 Requesting the endpoint list:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/09-request-endpointlist/index.adoc

➢ 10 Send a file:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/10-send-file/index.adoc
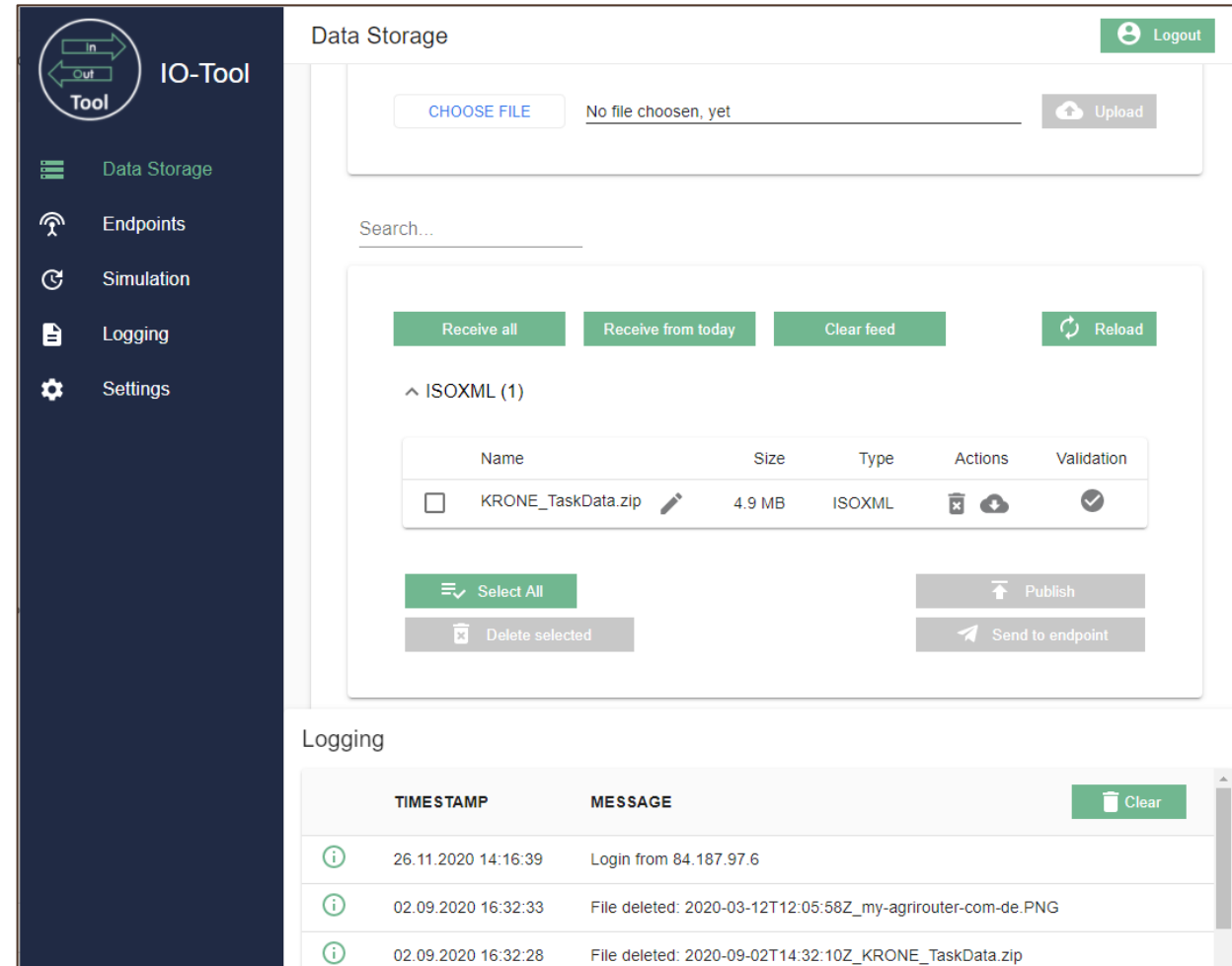
➢ 11 Receive a file:
https://github.com/DKE-Data/agrirouter-api-developer-tutorial/blob/master/11-receive-file/index.adoc

data transfer simulation via agrirouter during development

During development, it is possible to simulate data transfer via agrirouter by using the free of charge input - output Tool (IO-Tool).

https://io.my-agrirouter.com/

To get access, please send an email request to the support team (support@my-agrirouter.com).

agrirouter Quality Assurance environment

agrirouter **Quality Assurance** environment must be used if you are starting with agrirouter interface integration. This environment should be used also for testing your agrirouter implementation before certification.

➢ URL for the agrirouter Quality Assurance environment**:**

https://agrirouter-qa.cfapps.eu10.hana.ondemand.com/

✓ For a **Developer Account**, please use:

https://agrirouter-qa.cfapps.eu10.hana.ondemand.com/um/register/developer

✓ For **Login**, please use:

https://agrirouter-qa.cfapps.eu10.hana.ondemand.com/

agrirouter Quality Assurance environment

3.1 Create developer account	3.2 Register & submit your solution	3.3 Approval from support team	3.4 Contact certification company	3.5 Integrate interface in your solution	3.6 Test interface & messaging
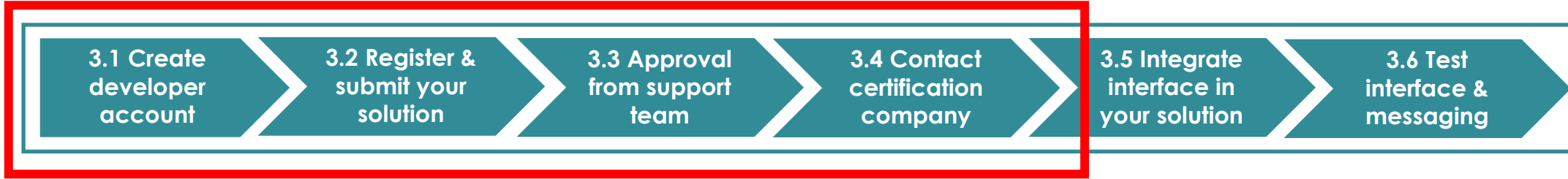
➤ Create agrirouter developer account in **Quality Assurance** environment**:**

Step 3.1 Please go to: https://agrirouter-qa.cfapps.eu10.hana.ondemand.com/

Step 3.1 Click on developer, you will be redirected: https://agrirouter-qa.cfapps.eu10.hana.ondemand.com/um/register/developer

Step 3.1 Register your company, with an email address specific to QA, like e.g., ar-developer-qa@company.com as a developer

Step 3.1 After registration, please send an email request for approval to our support team (support@my-agrirouter.com).

Step 3.2 Login to the Quality Assurance environment, create your software version and submit your solution.

Step 3.3 Send an email request for approval to the support team (support@my-agrirouter.com).

Step 3.4 Please contact the certification company: https://my-agrirouter.com/de/support/certification/ to learn what will be certified.

Certification information: https://docs.my-agrirouter.com/agrirouter-interface-documentation/latest/certification.html

Step 3.5 Now, you can start integrating the agrirouter interface into your solution.

Step 3.6 After successful integration, you can test your development and exchange data via agrirouter and IO-Tool as additional endpoint.

⚠ If you make capabilities changes, please create a new version. This version has to be reviewed and approved again.

agrirouter Production environment

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➢ URL for the agrirouter Production environment**:**

https://goto.my-agrirouter.com/

✓ For **a Developer Account**, please use:

https://goto.my-agrirouter.com/um/register/developer

✓ For **Login**, please use:

https://goto.my-agrirouter.com/app

agrirouter
Production

agrirouter Production environment

➢ Create agrirouter developer account in **Production** environment**:**

Step 4.1 Please go to: https://goto.my-agrirouter.com/um/register/developer

Step 4.1 Register your company with an email address specific to Production, like e.g., ar-developer@company.com as a developer.

Step 4.1 After registration, please send an email request for approval to our support team (support@my-agrirouter.com).

Step 4.1 Use developer account credentials for log in in Production environment: https://goto.my-agrirouter.com

Step 4.2 Register and submit your own software version.

Step 4.3 After successful certification, the certification company will create an agrirouter certification document.

      Contact for the certification of Telemetry-Box = agrirouter@isobus-test.com

      Contact for the certification of Farming-Software (App) and Telemetry-Platform = agrirouter-certification@LMIS.de

Step 4.4 Then your solution will be approved by our support team in production environment for the end user.

Optional: Step 4.5 It is possible to set your solution in "approve for testing", if only selected customers should use your solution.

If you make capability or command changes, please create a new version. This version has to be certified and approved again

agrirouter service & support

agrirouter service management - First Level Support

End User
(Farmer or Contractor)

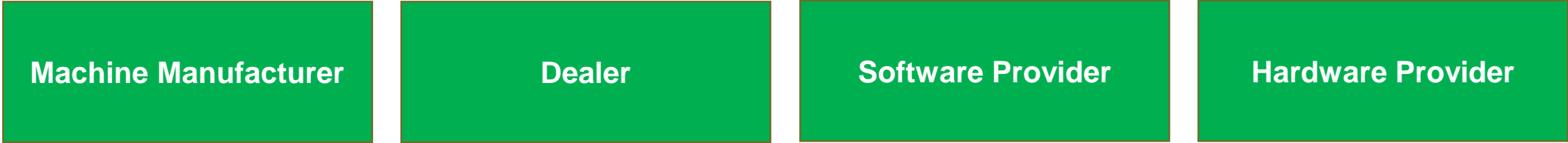**First Level Support**   **Responsible are:**

| Machine Manufacturer | Dealer | Software Provider | Hardware Provider |

agrirouter service management - Second Level Support

| Machine Manufacturer | Dealer | Software Provider | Hardware Provider |

Second Level Support

Responsible is:

Support availability	Monday - Friday, 8 a.m.–6 p.m.

4 Support People

Support Channel	Email, Website, Phone

Support language	German, English, French

Monitoring and Reporting	System availability

Direct Solution	for standard requests on first contact

Receiving, Classification and Logging	of all service requests

agrirouter service management - Third Level Support

**4 LMIS
Service People**

Third Level Support   **Responsible is:**

SAP Team

| **Support availability** 24/7 support | **Support language** English | **Support Channel** Trouble Ticket System, Phone | **Monitoring and Reporting** System availability |
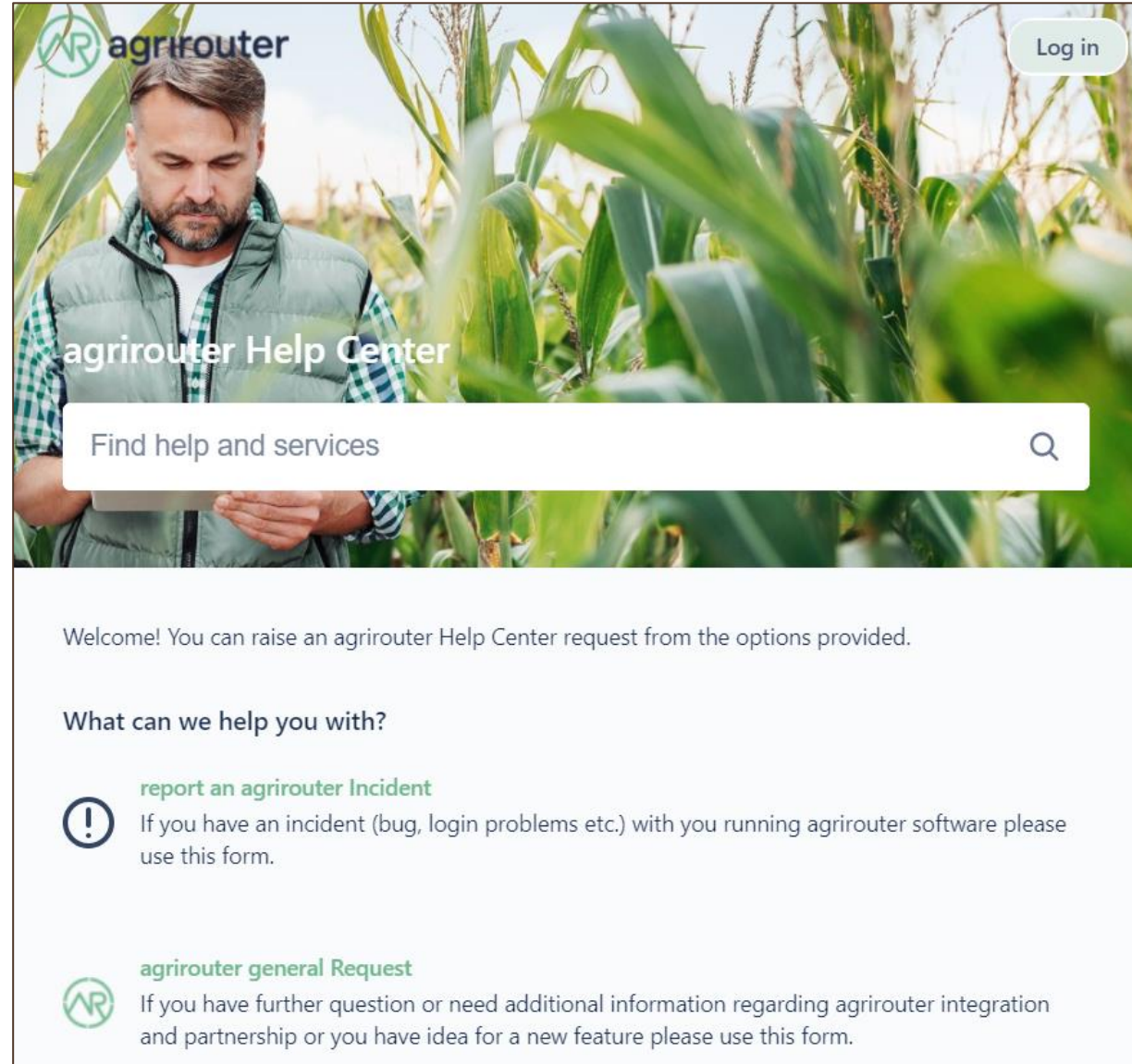
agrirouter service management - Second Level Support

DKE DATA

Support team contact possibilities:

➤ Central email address: support@my-agrirouter.com

➤ agrirouter Help Center:

https://agrirouter.atlassian.net/servicedesk/customer/portals

➤ Telephone:

   ➤ DE: +49 541 200 690 220

   ➤ EN: +49 541 200 690 230
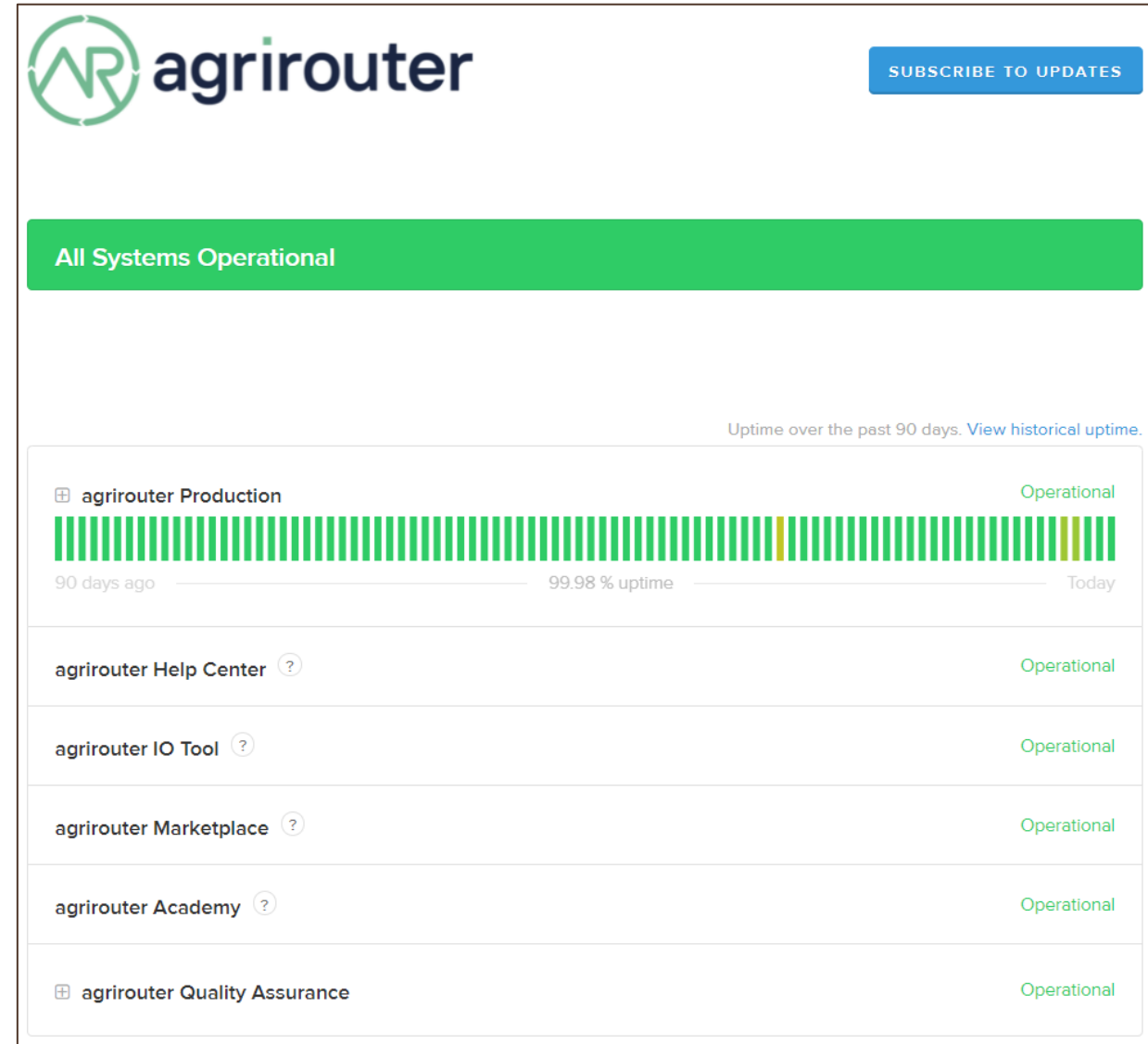
   ➤ FR: +49 541 200 690 240

⚠ The telephone numbers should under no circumstances be passed on to end customers. They are intended exclusively for Machine Manufacturers, Dealers and Partner

agrirouter service management - System Status Page

DKE DATA

> **agrirouter services:** https://agrirouter.statuspage.io/

> **User Interface Service:** Monitoring if the login in the user interface is possible.

> **Onboarding Service:** Monitoring if it is possible to create a registration code and onboard a device or software application to agrirouter.

> **Capability Message Service:** Monitoring if it is possible to send a capability message to agrirouter including a confirmation from agrirouter.

> **Content Message Service:** Monitoring if it is possible to send a content message to another endpoint and receiving the same massage as a recipient.

⚠️ system status integration via API is possible

AR agrirouter

[SUBSCRIBE TO UPDATES]

All Systems Operational

Uptime over the past 90 days. View historical uptime.

⊞ agrirouter Production — Operational

90 days ago — 99.98 % uptime — Today

agrirouter Help Center (?) — Operational

agrirouter IO Tool (?) — Operational

agrirouter Marketplace (?) — Operational

agrirouter Academy (?) — Operational

⊞ agrirouter Quality Assurance — Operational

agrirouter service management - System Status Page

**agrirouter status definition:**

- **operational**: The components are working as expected and in a timely manner.

- **under maintenance:** The component is currently being worked on.

- **degraded performance:** The components are working but are slow or otherwise impacted in a minor way. The component response time is longer than expected.

- **partial outage:** The components are completely broken for a subset of customers but is working for the other.

- **major outage:** The components are completely unavailable.

agrirouter service management - System Status Page
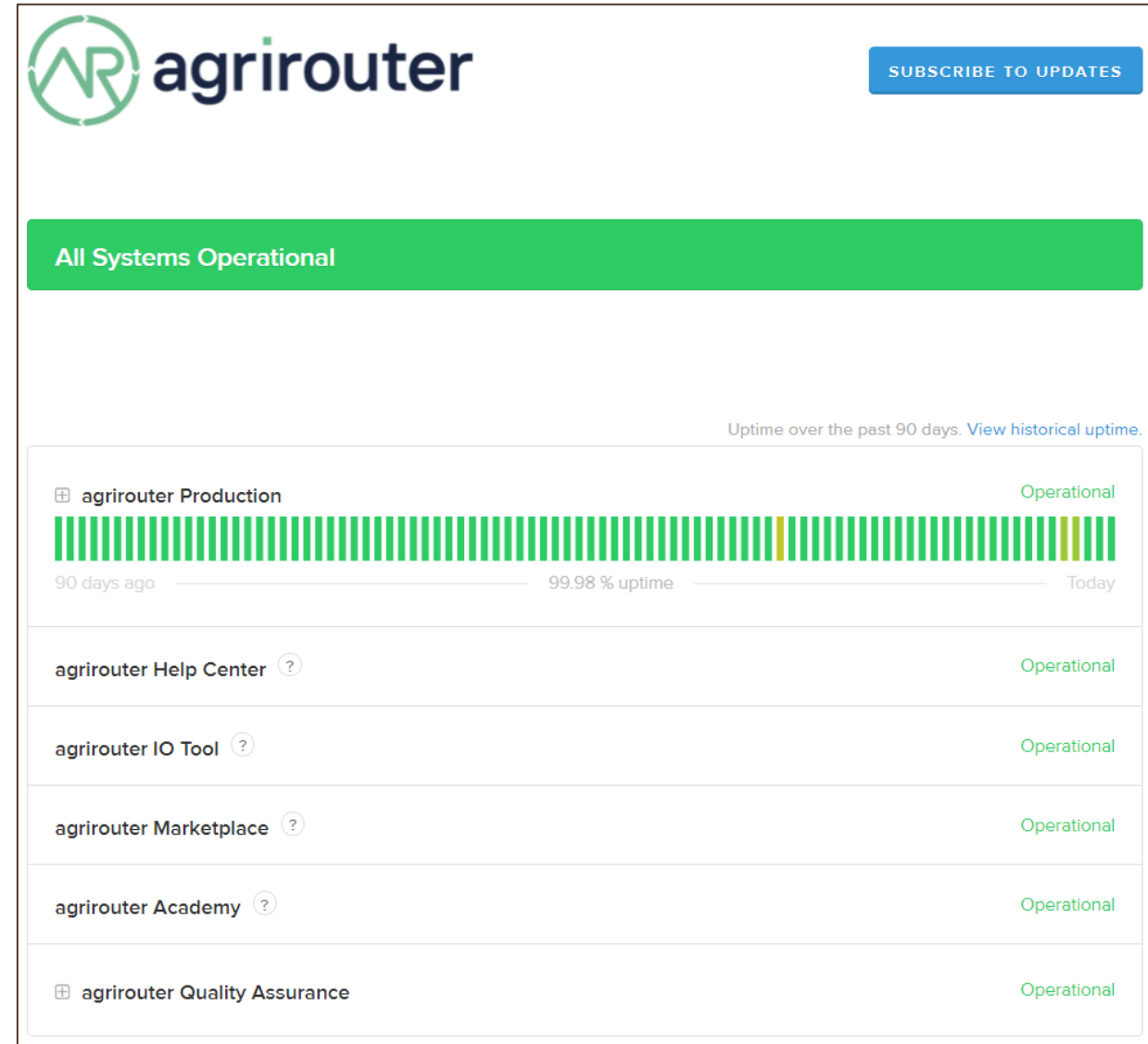
History view on agrirouter services status

➢ agrirouter service status during the last 90 days

➢ History information:

- When was the service not available?

- Which service was not available?

- How long was the service not available?

- Overall uptime of the agrirouter solution.
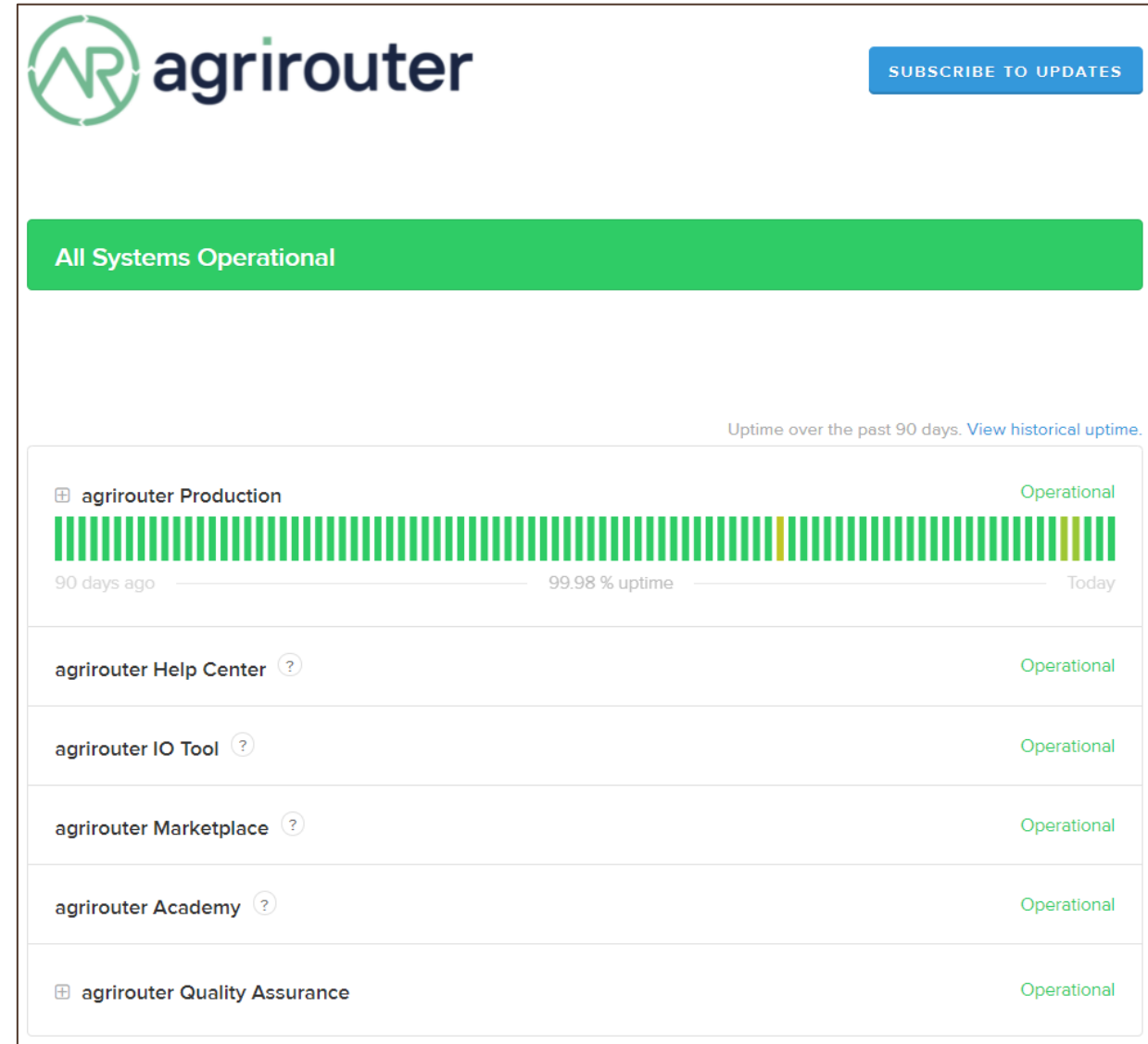
agrirouter service management - System Events

Technical newsletter with information about:

➢ agrirouter scheduled maintenance

- Maintenance triggered by SAP data center

➢ New deployments of agrirouter

- New releases and contents

- Bugfix information for upcoming releases

➢ Change request information including impact

➢ Incident information

➢ etc.

⚠ Everybody can and should subscribe this notifications.

For further questions, please <u>contact us!</u>