

Developer Newsletter

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Developer Community Updates

[Symphony U: Fintech challenge for university students](#)

The Symphony U: Fintech Challenge has been officially launched. A nationwide coding and business competition for students across the U.S. Students will gain free access to our developer certification courses, get exposure to the latest trends in Fintech, and leverage Symphony bots to build powerful financial workflows.

Students will be challenged to solve real business & technology use cases and finalists will have the opportunity to pitch their solutions to a panel of industry experts across the Street.

To learn more or to sign up, continue [here](#).

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Build a Bot Sessions: Securing Your Bot Ecosystem

Join our Developer Relations team for their latest how to build a bot live tutorial on securing your Bot ecosystem. Learn how to scale bots to efficiently leverage internal data resources to create a secure bot-to-resource ecosystem. During the live-session, we will:

- Do a deep dive into a real-life authorization workflow
- Show how to realize this workflow by building 3 components using Symphony's Bot Developer Kit 2.0, Spring Boot and Spring Security
- Discuss alternate workflows with their pros and cons

Can't attend live? You should still register! We'll send the recording to all registrants after the webinar. [REGISTER HERE](#)

All you need to know about BDK 2.0

Read our newest blog post to learn everything you need to know about Symphony's Bot Developer Kit 2.0. The post includes information on how to create BDK 2.0, answers most asked questions and provides a step-by-step tutorial with screenshots.

Read the blog post [here](#).

Product Updates

BDK 2.0 for Java moves to FINOS

As part of Symphony's continued support of the open source community and standardization in the wider financial services space, we have strengthened our partnership with FINOS by [moving the BDK 2.0 for Java project under the FINOS organization](#). This coincides with the latest release version 2.1.0, marking the first release under the FINOS groupId.

What does this mean for developers? This move will drive wider adoption of the BDK 2.0 as the standard toolkit to build Symphony Bots on and foster more innovation in the creation of new independent

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modules in the BDK 2.0 ecosystem. This move will not affect existing projects using versions 2.0.0 and earlier, but starting from 2.1.0, you will need to update your dependencies to reflect the new group and artifact identifiers as follows:

```
<dependencyManagement>
  <dependencies>
    <dependency>
      <groupId>org.finos.symphony.bdk</groupId>
      <artifactId>symphony-bdk-bom</artifactId>
      <version>2.1.0</version>
      <type>pom</type>
      <scope>import</scope>
    </dependency>
  </dependencies>
</dependencyManagement>

<dependencies>
  <dependency>
    <groupId>org.finos.symphony.bdk</groupId>
    <artifactId>symphony-bdk-core</artifactId>
  </dependency>
  ...
</dependencies>
```

This release also delivers some new features like message utilities classes for extracting plain text without tags and entities like @mentions, #hashtags, \$cashtags and emojis.

```
V4Message message = event.getSource().getMessage();
String plainText = PresentationMLParser.getTextContent(message.getMessage());
List<Long> mentions = MessageParser.getMentions(message);
List<String> cashtags = MessageParser.getCashtags(message);
List<String> hashtags = MessageParser.getHashtags(message);
Map<String, String> emojis = MessageParser.getEmojis(message);
```

There are also improvements to the ApiClient, increasing performance and allowing custom object marshalling along with the usual bug fixes. Do upgrade to this release and let us know what you think!

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[Symphony 2.0 in the Developer Sandbox](#)

The [Developer Sandbox](#) will soon be upgraded to Symphony 2.0 for all users. This will give developers who are enrolled in the certification program access to the newest version of the Symphony experience so that they can see upcoming features and how bots will look in the new design. Symphony 2.0 has been completely redesigned from the ground up for end-users to have a better chat user experience. Future versions of Symphony 2.0 will provide new and innovative features for developers to better interact with the user interface and provide end-users access to bot functionality from the click of a button, so this is a good opportunity to get used to the first release of the new version. We will be releasing more platform features in the coming months to let you innovate on custom bots and apps with Symphony 2.0.

When you first switch to Symphony 2.0, you will be presented with a guided tour of the new layout and features. To switch back to Symphony 1.5, click the Settings button at the bottom of the left rail and choose *Go back to Symphony 1.5*. To return to 2.0, use the Settings button on the top right corner and select *Try Symphony 2.0*. There might be slight changes in the visual representation of your bot messages, especially if they use complex markup. Do review them in 2.0 as a good practice and ensure that they still look optimal for your customers.

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Training and Documentation Updates

[Symphony Developer Certification Program](#)

Become a certified Symphony Developer! We're here to partner with you. From simple integrations to complete financial workflows, the Symphony team is here to support Developers building with our technology.

[Register](#) to complete the course or [contact us](#) if you need assistance.

[Symphony Developer Days](#)

If you or your company would like to participate in future Developer Days to help fast track your developer team's expertise on Symphony, please [REGISTER YOUR INTEREST HERE](#).

Share with a Colleague

Know a colleague that will find the developer newsletter useful? Help them [subscribe to the newsletter](#) now.

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