

Developer Newsletter

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Developer Community Updates

[Build-a-Bot May session: Leveraging NLP to build a Symphony Bot](#)

Happening on Tuesday, May 18th at 4pm GMT / 11am ET, and Wednesday, May 19th at 2pm HKT / 7am GMT. During this live session Reed Feldman, Developer Relations Specialist, and Vinay Mistry, Developer Relations Technical Lead, who show you how to integrate NLU/NLP technologies with our BDK 2.0. As well as:

- Cover the benefits of utilizing NLU and NLP technologies
- Showcase how you can leverage NLU/NLP to build a Symphony Bot

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- Provide a step-by-step demo on how NLP can be useful in chatbot implementations

Learn more and register [here](#).

Build-a-Bot June session: Symphony BDK 2.0 for Python

Following the successful launch of the Bot Developer Kit (BDK) 2.0 for Java, Symphony is excited to bring the same enhanced developer experience to Python developers. We are launching the BDK 2.0 for Python ahead of schedule, which will promote Python to a first-class citizen alongside Java for Symphony development. Like the BDK 2.0 for Java, the Python variant has been redesigned from scratch to greatly simplify the bootstrapping process. It will also support common structures like RealTimeEventListeners, the Activities API and the @slash decorator that allows you to define a slash command with a single line of code.

Join our Developer Relations team for the next session of the Build-a-Bot series happening on June 8 (EMEA/Amer) and June 10 (APAC/EMEA), where they will:

- Showcase the BDK 2.0 for Python
- Demonstrate how you can get started building Python bots in seconds
- Answer all your questions

Learn more and register [here](#).

Product Updates

Introducing BDK 2.0 for Python

The Symphony Bot Developer Kit (BDK) 2.0 is now available in Python. It provides:

- Asynchronous datafeed and event-handling architecture
- Ultra-Simplified configuration and authentication setup
- Customizable message templating
- New Activities API which makes it easy to facilitate bot workflows

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New in Symphony 20.12

- Bots can now suppress their own messages like regular users can using the standard [suppress message endpoint](#). You can use this to suppress time-sensitive content that is no longer relevant or to prevent submission of forms that have expired. Additionally, bots can call this endpoint on-behalf-of other users to suppress their messages as well.


```
V4Message msg = bdk.messages().send(streamId, "Hello World");  
bdk.messages().suppressMessage(msg.getMessageId());
```



- 3 new date and time Elements components have been added: [Date Picker](#), [Time Picker](#) and [Timezone Picker](#). If you are currently capturing date and time input from your users using text fields, you can now convert to using these new Elements for a more structured approach.


```
<form id="hello-form">  
  <date-picker name="date" label="Date" />  
  <time-picker name="time" label="Time" />  
  <timezone-picker name="timezone" label="Time Zone" />  
  <button name="submit">Submit</button>  
</form>
```

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MyBot



Date

 04-23-2021

Time

 15:45:00

Time Zone

 (GMT+01:00) Luxembourg 

SUBMIT

- There are other updates that improve error handling and endpoint consistency. You can view the complete change log for Symphony 20.12 at <https://docs.developers.symphony.com/v/v20.12/admin-guide/change-log>.
- Note that the features above are supported only after your pod has been upgraded to 20.12. For customers with an on-premise API Agent, a corresponding upgrade to [API Agent 20.12](#) is required as well. To check which versions your pod is currently on, use the [Health Check Extended v3 endpoint](#). For details on upgrade schedules and any infrastructure concerns, please speak with your Technical Account Manager.

New in BDK 2.0 for Java

- Convenience classes have been added to help perform common message processing tasks. You can use these to extract text content, hash tags, cash tags, @mentions and emojis from incoming message payloads.

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```
V4Message message = event.getMessage();

String original = message.getMessage();
// <div data-format="PresentationML" data-version="2.0" ...

PresentationMLParser.getTextContent(original);
// Hi @MyBot, fetch #liquidity #colour on $GME $AMC :sunglasses:

MessageParser.getHashtags(message); // [ "liquidity", "colour" ]
MessageParser.getCashtags(message); // [ "GME", "AMC" ]
MessageParser.getMentions(message); // [ 71811853190940 ]
MessageParser.getEmojis(message); // { "sunglasses"= "😎" }
```

- The default behaviour for datafeed connection retry is now set to infinite. This will allow bots to be resilient against any extended-duration outages like pod maintenance windows or when you are upgrading any on-premise components like API Agents or Key Managers. You can choose to override this new default by defining these parameters in your `config.yaml` as follows:

```
datafeed:
  retry:
    maxAttempts: 6
    initialIntervalMillis: 2000
    multiplier: 1.5
    maxIntervalMillis: 10000
```

- There are other updates that improve security and performance. You can view the complete change log for BDK 2.0 for Java at <https://github.com/finos/symphony-bdk-java/releases>.

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Training and Documentation

Upcoming BDK 2.0 for Python documentation

With the launch of the new BDK 2.0 for Python, the Symphony Developer Relations team is actively working on updating our documentation, as well as building out new trainings and guides to support developers on using the new tools. We will notify you as soon as it's live!

Keep an eye out for a new Developer Certification track: **"Python Bot Developer Certification"**. This will cover the BDK 2.0 for Python in depth, and be similar to the [Java Bot Developer Certification](#) launched earlier this year. You will be able to qualify for and display additional certifications.

We will also publish new guides specifically for BDK 2.0 for Python, to provide **Python-specific collateral** in our [Tutorials](#) section of the Symphony Developers Documentation site.

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](#).

Full of interactive workshops and Q&A sessions with Symphony's Developer Relations team, this program is specially tailored for your team's needs and works around their schedule. It will enable your team to leverage the powerful capabilities of Symphony's APIs and developer tools, integrate your internal solutions, and become Symphony Certified Developers.

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