

Developer Newsletter

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Developer Community Updates

[Webinar: What's New in Symphony Release 20.13 for Developers](#)

Join our upcoming webinar to learn about the new API capabilities on the Symphony platform.

Register [here](#)

[Open Source Strategy Forum](#)

The Developer Relations team attended the Linux Foundation's Open Source Strategy Forums in London and New York recently. We hosted workshops on the BDK 2.0 at both forums, introducing participants to the toolkit and how to get started with building bots.

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At the New York event our CEO Brad Levy discussed market infrastructure challenges with State Street's Head of Global Markets, Nadine Chakar which was followed by a session from our Head of Client Services, JT Dupuy, on Symphony's Open Source strategy. We closed the event with Olivier Poupeney, Director of Developer Relations, showcasing the new Workflow Developer Kit (WDK) with a live demo.

Developer Days

The team hosted a series of Developer Days events throughout October and November. These are interactive sessions to enable developers to better leverage the powerful capabilities of Symphony's APIs and our developer tools.

Based over 3 days (with 2.5 hours of live sessions) developers were guided through our learning content, providing them with the knowledge and skills to create innovative solutions on the Symphony platform. We would like to congratulate all the developers that participated and completed the certification to become a Symphony Certified Developer.

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](#).

Symphony Developer Forum

Have you visited the [Symphony Developer Forum](#)? The forum is a great place for the developer community to connect with our team for guidance on developing on Symphony but also ask questions that you may have. We have also created common questions and their answers more accessible via the forum. Check it out today.

Product Updates

Message Updates

The team has been building out new API capabilities on the platform. The first new feature is **Message Updates**, which allows bots to update their own messages. This can be useful when

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trying to keep the content of a message up-to-date when the information has changed or expired. Developers can also use message updates for Elements forms use-cases, which avoids flooding a room when your bot is exchanging messages with a user through Elements forms.

Message Pinning for Bots

The next feature we have introduced is **Message Pinning**, which enables your bot application to pin and unpin messages in conversations. This can be used in IM's or rooms if your bot is an owner. Message pinning is useful when trying to draw the attention of a room onto a specific message. Developers can also update pinned messages using Message Updates. This enables you to keep critical information updated and visible to all.

Your pinned messages could also be Elements forms, which enables developers to add actions to pinned message content. This can be useful for making your bot commands and features easily discoverable and accessible.

Dialog Elements

Another feature we would like to introduce is **Dialog Elements**. This enables your bot to embed popup dialogs within messages. By clicking an Elements button your bot can launch a popup dialog with MessageML content. This can be useful in making messages and forms take up less space in conversations as the dialog can also include an Elements form. The dialog can be closed when you submit the form or when clicking cancel. This feature is also supported when using Message pinning.

Open Chat Message

So most developers are probably familiar with [Symphony URI's](#). The ability to construct a URL link to jump directly into a Symphony conversation from an external application. **Open Chat Message** enables your bot to send a link to a chat in a message. When a user clicks on the link, the predefined conversation room will automatically open. The new conversation can either replace the existing chat that is in focus or open side-by-side. Developers can pre-configure the

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Open Chat Elements button to open either a specific conversation, based on its streamID, or an IM with one or several users based on userID. Using this feature alongside Message Pinning can create quick navigation buttons for important conversations and rooms.

All the features we covered above have been added to the Symphony [Java](#) & [Python](#) BDK libraries. So you can try these out today in our developer sandbox. If you haven't got a sandbox account you can register for one via our [Symphony Developer Center](#).

End of Life for Legacy SDKs

Important: Our engineering team is announcing the End of Life (EOL) and support for our Java, Python and Node.js SDKs from **March 2022**. The projects will receive only critical updates beginning Jan 2022 and will no longer be actively supported beginning Mar 2022.

The SDKs will continue to be available on their respective artefact repositories (Maven / PyPI / npm) and bots that are built using the SDKs will continue to run so long as the SDKs remain compatible with any future Symphony architectural revisions. This compatibility is not guaranteed so you should start planning to migrate critical workloads to the new BDKs where possible. Migration guides from SDK to BDK are available for both [Java](#) and [Python](#).

The Symphony Generator has also been updated to launch with the 2.0 flag as default, meaning you can now use `yo symphony` instead of `yo symphony 2.0`. If you require the generator to create non-BDK projects, you will need to force-install an older version of the generator (e.g. ``npm install -g generator-symphony@1.7.7``)

Training and Documentation Updates

Implementing Workflows with Symphony WDK 1.0

We are excited to announce the upcoming launch of a new Symphony Developer course & certification, **"Implementing Workflows with Symphony WDK 1.0"** - *expected December 2021*

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You will get hands-on experience using the WDK alongside learning more about the advanced features that are available and will have the opportunity to take the certification exam to become a Symphony Certified Workflow Developer.

To accelerate the development of bots, the Workflow Developer Kit (WDK) uses a low-code development approach. Using low-code platforms can help companies create applications within short delivery times. Building a truly customised application requires complete flexibility from a development platform.

By leveraging self-operating processes that run manual tasks, workflow automation can help businesses save time and money, diminish errors, and boost productivity. The automation of a given workflow process can involve one simple approval process or encompass several different workflow tasks and resources, triggered by a set of business rules.

The [Symphony WDK 1.0](#) is available on the FINOS (Linux Foundation) GitHub - allowing for open contributions from the Symphony Developer community accelerating bug fixes, enhancement requests & defining activity types.

We recently hosted a [webinar](#) on the Workflow Developer Kit in October, highlighting the features of the WDK which expands upon the BDK's foundation and will comprise a suite of tools for authoring, monitoring and administering workflows of the future.

Please register on the [Symphony Developer Training Center](#) to get started with the new course & certification.

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