Snap-in Documentation: Keyword Matching in Conversation

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1. Introduction

This documentation provides a step-by-step guide for creating a snap-in to monitor keywords in conversations within the DevRev platform. The snap-in notifies the owner when a specified keyword is detected in a timeline entry.

2. Snap-in Overview

The snap-in leverages the capabilities of DevRev's SDK to interact with the platform's events and notifications. It allows for seamless integration and automation of tasks within the DevRev workspace.

3. Snap-in Functionality

The snap-in performs the following tasks:

- Monitors timeline entries for a specified keyword.
- Notifies the owner when the keyword is detected in a timeline entry.
- Can be configured to monitor multiple keywords simultaneously.

4. Preparing Your Development Environment

Before creating the snap-in, ensure that you have the following:

- Node.js installed on your machine.
- Access to the DevRev platform.
- DevRev CLI installed for deployment (optional).

5. Creating the Snap-in with DevRev SDK

Installation and Setup

1. Create a new directory for your snap-in.
2. Initialize a new Node.js project using `npm init -y`.
3. Install the DevRev SDK using `npm install devrev`.

Snap-in Script

Create a file named `hello-world-snapin.js` and add the following code:

```
// hello-world-snapin.js

const DevRev = require('devrev');

module.exports = async function (event, context) {
    const keyword = context.inputs.keyword;
    const timelineEntry = event.timeline_entry_created;

    if (timelineEntry && timelineEntry.content.includes(keyword)) {
        const ownerId = timelineEntry.owner_id;
        const notificationMessage = `Keyword "${keyword}" detected in your timeline entry.`;

        await DevRev.notifications.create({
            owner_id: ownerId,
            message: notificationMessage,
        });


        return {
            status: 'success',
            message: 'Notification sent successfully.'
        };
    }


    return {
        status: 'ignored',
        message: 'Keyword not found in timeline entry.'
    };
};
```

Snap-in Configuration

Create a file named `snapin.json` and add the following configuration:

```
{
    "name": "Keyword Matching Snap-in",
    "version": "1.0.0",
    "description": "Notifies the owner when a specified keyword is found in a timeline entry.",
    "main": "hello-world-snapin.js",
    "inputs": {
      "keyword": {
        "type": "string",
        "description": "The keyword to match in timeline entries."
      }
    },
    "events": [
      "timeline_entry_created"
    ]
  }
```

Deployment

Deploy your snap-in using the DevRev CLI:

`devrev snapin deploy`

Usage Instructions

1. Activate the snap-in in your DevRev workspace.
2. Specify the keyword you want to monitor in timeline entries.
3. Test the snap-in by creating a timeline entry with the specified keyword.

6. Creating the Snap-in without DevRev SDK

Snap-in Script

Create a file named `hello-world-snapin.js` and add the following code:

```
// hello-world-snapin-no-sdk.js

// Dummy function to simulate DevRev SDK
async function createNotification({ owner_id, message }) {
    console.log(`Notification sent to owner_id ${owner_id}: ${message}`);
}

module.exports = async function (event, context) {
    const keyword = context.inputs.keyword;
    const timelineEntry = event.timeline_entry_created;

    if (timelineEntry && timelineEntry.content.includes(keyword)) {
        const ownerId = timelineEntry.owner_id;
        const notificationMessage = `Keyword "${keyword}" detected in your timeline entry.`;

        await createNotification({
            owner_id: ownerId,
            message: notificationMessage,
        });

        return {
            status: 'success',
            message: 'Notification sent successfully.'
        };
    }

    return {
        status: 'ignored',
        message: 'Keyword not found in timeline entry.'
    };
};
```

Snap-in Configuration

Create a file named `snapin.json` and add the following configuration:

```
{
    "name": "Keyword Matching Snap-in (No SDK)",
    "version": "1.0.0",
    "description": "Notifies the owner when a specified keyword is found in a timeline entry (without DevRev SDK).",
    "main": "hello-world-snapin-no-sdk.js",
    "inputs": {
      "keyword": {
        "type": "string",
        "description": "The keyword to match in timeline entries."
      }
    },
    "events": [
      "timeline_entry_created"
    ]
  }
```

Simulated Testing

Create a file named `test.js` to simulate the event and test the snap-in:

```
// test.js

const snapin = require('./hello-world-snapin-no-sdk');

// Simulated event and context
const event = {
    timeline_entry_created: {
        content: "This is a test timeline entry with the keyword DevRev.",
        owner_id: 12345
    }
};

const context = {
    inputs: {
        keyword: "DevRev"
    }
};

// Execute the snap-in function
snapin(event, context).then(result => {
    console.log(result);
}).catch(error => {
    console.error(error);
});
```

Run the simulation:

```
node test.js
```

7. Documentation Conclusion

This documentation provides a comprehensive guide for creating a snap-in to monitor keywords in conversations within the DevRev platform. Whether using the DevRev SDK or not, the snap-in facilitates efficient notification of relevant events, enhancing productivity within your DevRev workspace.