

# Use the IBM Workplace Assistant to Work with Processes and Tasks in IBM Business Automation Workflow

Instructor-led lab guide



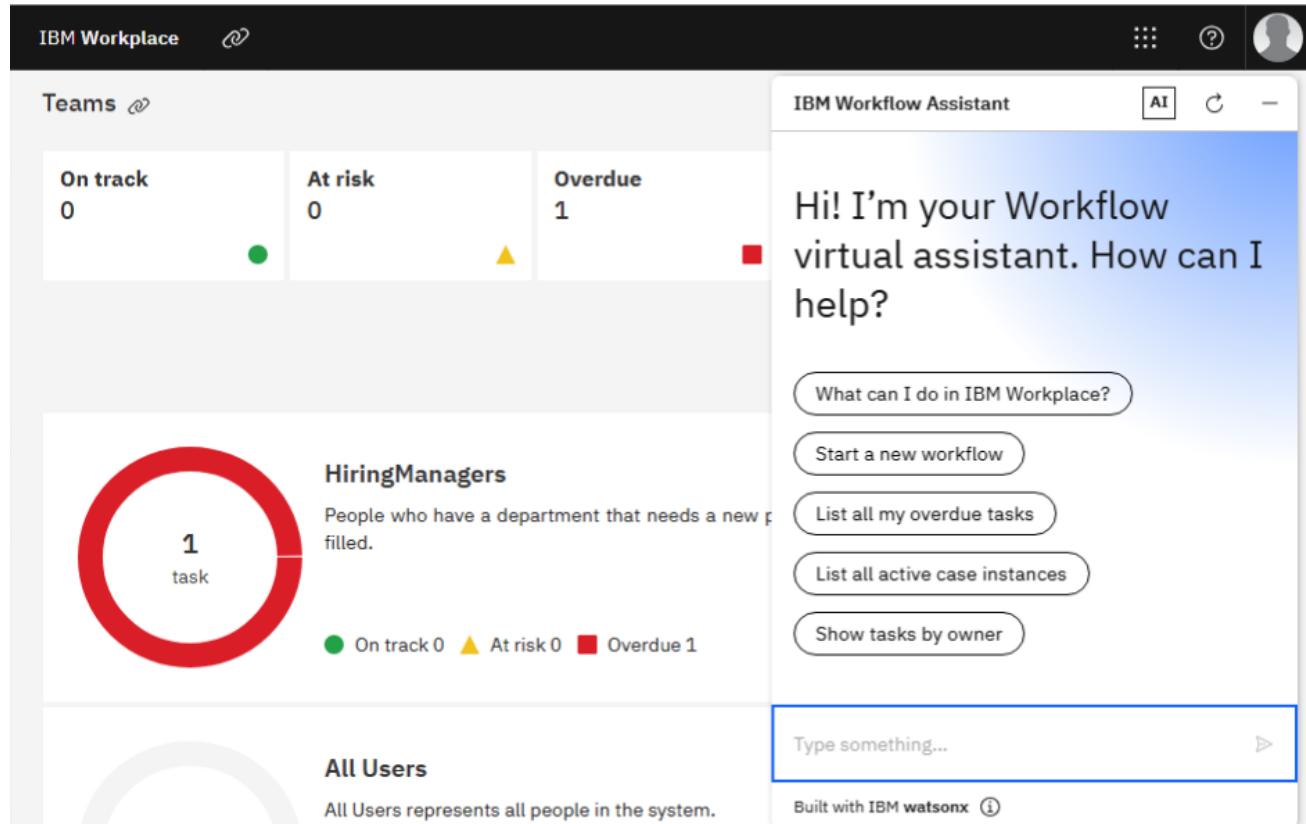
Lab updated: Tuesday, November 4, 2025

**Table of Contents**

<b>1 Lab Introduction .....</b>	<b>3</b>
1.1 Lab Scenario.....	4
1.1.1 Smart Hire Process .....	4
1.1.2 Using Workplace Assistant for Smart Hire Porcess .....	4
<b>2 Lab Instructions .....</b>	<b>5</b>
2.1 Acquire Tech Zone Lab Environment.....	5
2.1.1 Request Tech Jam Workshop Tech Zone Envriomnnet .....	5
2.1.2 Reserve IBM watsonx Orchestrate ADK and DBA - US East Only . <b>Error! Bookmark not defined.</b>	
2.2 DBA-4-2022 VM Setup .....	5
2.3 Open Workplace and Launch the Assistant.....	6
2.4 Team Actions.....	8
2.4.1 Open Team Dashboard.....	8
2.4.2 Select a Team .....	9
2.4.3 Ask the Assistant to Assign Tasks to Jack .....	9
2.5 Task Actions .....	11
2.5.1 Filter Tasks by Business Data.....	14
2.5.2 Gettting Task's Summary .....	15
2.5.3 Prioritizing Tasks.....	17
2.6 Start Actions.....	18
2.6.1 Start a Smart Hire Workflow Instance .....	18
2.6.2 Get Assistance in Completing the Task from the Assistant.....	19
2.6.3 Get Assistance in Completing the Task from the Workflow Gen AI Capability .....	21

# 1 Lab Introduction

IBM Workflow Assistant is a Watsonx conversational assistant integrated into Workplace, providing an embedded web-chat interface that allows you to interact with Business Automation Workflow through natural conversation.



**Figure 1. IBM Workflow Assistant in IBM Workplace.**

The Assistant uses large language models (LLMs) to answer specific questions, extract and summarize information, generate content, or complete generative AI tasks. By answering questions and generating content in response to your prompts, the conversational Assistant streamlines your task management process, allowing you to find, prioritize, and complete tasks or cases efficiently. This ultimately improves your work efficiency through an interactive and intelligent user experience. The Assistant offers the following functions, enabling you to navigate more efficiently, gain a deeper understanding of your tasks, and become more productive in completing your work:

**Start actions.** You can also ask the Assistant to start a workflow or a new instance of a specified case solution on your behalf.

**Task actions.** Filtering your tasks based on prompts helps you gain a clearer understanding of them at a glance. You can provide a summary of the task or ask questions, such as its status, owner, due date, and other relevant details. Prioritize tasks for yourself using the Task Prioritization AI feature or other user-defined prioritization criteria. You can ask the Assistant to update the due date or priority of tasks, reassign them to a different user, or return them to the team for others to claim.

**Workflow actions.** You can filter workflows by status, due date, priority, or business data.

**Case actions.** You can filter cases by status, due date, priority, or business data.

**Team actions.** As a team manager, you can use the Assistant to view all the teams that you manage and also understand and manage their workload.

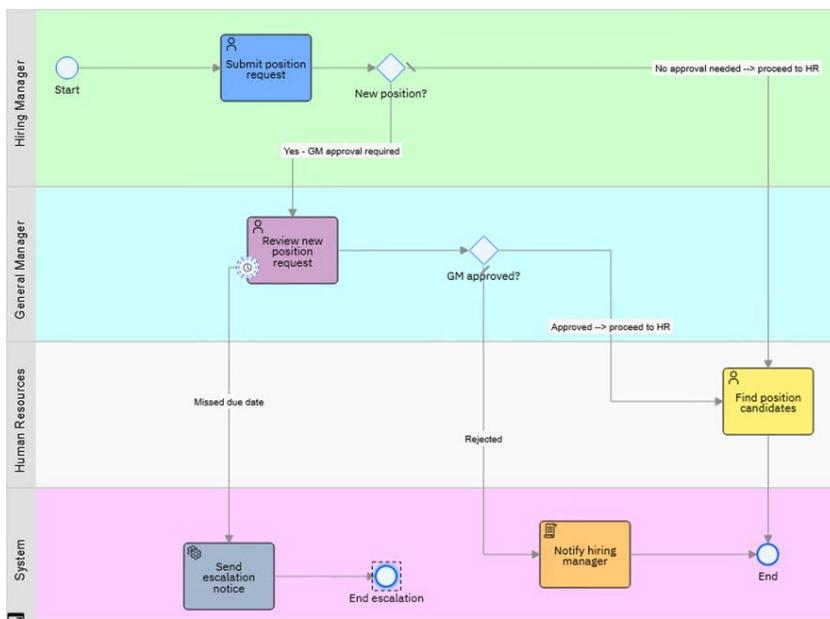
## 1.1 Lab Scenario

### 1.1.1 Smart Hire Process

Focus Corp is a business services provider offering a range of services for various industries. Recently, Focus Corp automated their HR Talent Acquisition by implementing a "Smart Hire" process.

### 1.1.2 Using Workplace Assistant for Smart Hire Porcess

In the lab, we will work with instances of the Smart Hire Process using IBM Workspace and the AI Assistant, which is a new AI feature added to IBM Workplace.



Specifically, you will explore three features of the IBM Workflow Assistant: **Start actions**, **Task actions**, and **Team actions**.

Tracking status	Priority	Name	Due on
Overdue	Normal	Task: GM Approval	Jul 1, 2025, 1:12:00 PM
On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM
On track	Normal	Task: Create position request	Sep 30, 2025, 1:06:00 PM
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM
On track	Very high	Task: GM Approval	Oct 26, 2025, 12:06:00 PM
On track	High	Task: Find job candidates	Nov 29, 2025, 12:06:00 PM

Note that we have already created several instances of the porcess and completed some tasks to populate the task list.

## 2 Lab Instructions

- \_1. Use this link to download the **wxO Agent Builder ADK Orchestrate** document: <https://ibm.ent.box.com/v/wxO-Agentic-SDK>. You may need it when provisioning the environment on your own, and later on when starting the VMs

### 2.1 Acquire Tech Zone Lab Environment

You can either request a Tech Jam Workshop Tech Zone environment ([2.1.1](#)) or provision your own ([2.2.2](#)).

#### 2.1.1 Request Tech Jam Workshop Tech Zone Envriomnnet

- \_1. Request an envriomnnet using this Slack channel [#ba-wxo-tech-jam-access](#)
- \_2. You will receive a URL and a private password/access code.
- \_3. Use the URL to access your Tech Jam lab VMs.

#### 2.1.2 Reserve an "IBM watsonx Orchestrate ADK and DBA" Envriomnnet

- \_1. Find section "**1.1 Reserve Tech Zone Environment**" in **wxO Agent Builder ADK Orchestrate** document.
- \_2. Create an IBM watsonx Orchestrate ADK and DBA Tech Zone reservation.

**Note:** This environment includes the Digital Business Automation VM, which provides the IBM Business Workflow runtime required for this lab.

### 2.2 DBA-4-2022 VM Setup

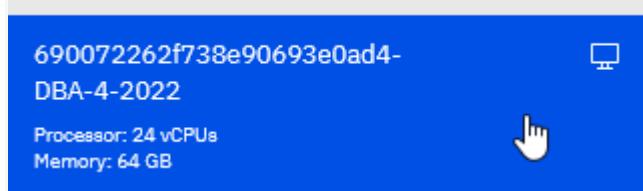
- \_1. Find section "**1.3.1.2 Create a Remote Desktop Session**" in the **wxO Agent Builder ADK Orchestrate** document.
- \_2. Open the VM using either the Console or the Remote Desktop method (described in "**1.3.1.2 Create a Remote Desktop Session**")

#### Note:

The Console method access will vary depending if you are using a Workssop or your own Tech Zone Reservation.

#### Workshop:

##### VM Remote Console:



#### Your Own Tech Zone Reservation:

##### Virtual Machines

Name	OS	IP	Status	Actions
68eff80d926501b4673f452a-DBA-4-2022	Microsoft Windows Server 2022 (64-bit)	10.0.0.6	<span>Running</span>	<span>Console</span> <span>⋮</span>
68eff80d926501b4673f452a-WxO-Lite-TechJam	Microsoft Windows Server 2022 (64-bit)	10.0.0.2	<span>Running</span>	<span>Console</span> <span>⋮</span>

\_3. Find section "**1.3.2 Start IBM Business Automation Workflow Server**" in the **wxO Agent Builder ADK Orchestrate** document.

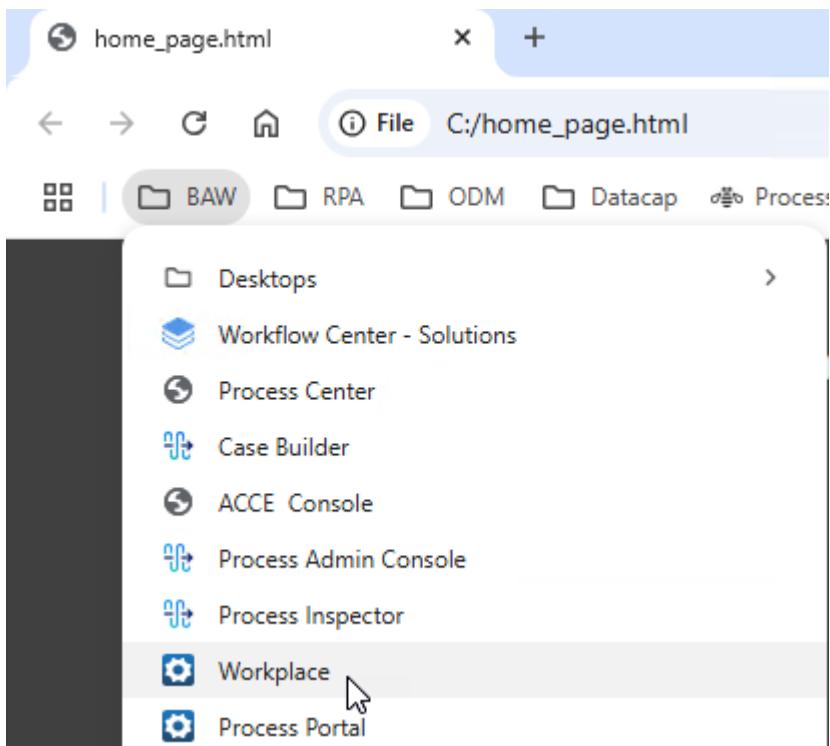
\_4. Start the BAW Server as described in "**1.3.2 Start IBM Business Automation Workflow Server**".

## 2.3 Open Workplace and Launch the Assistant

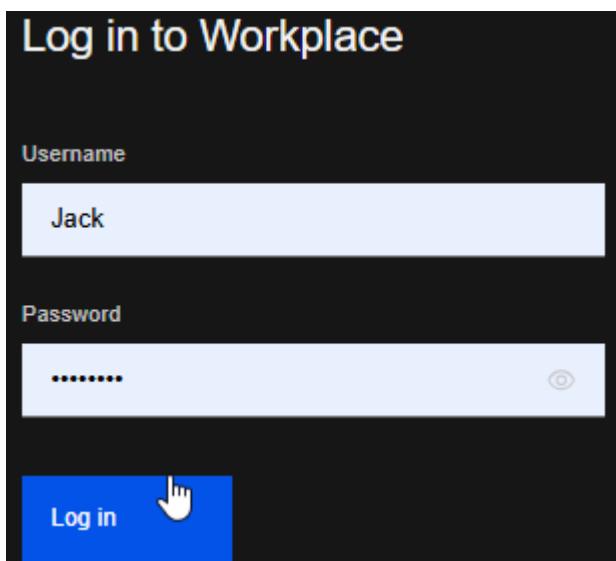
\_1. Start the **Chrome** Web Browser.



\_2. From the Web browser toolbar, select the **BAW > Workplace..**



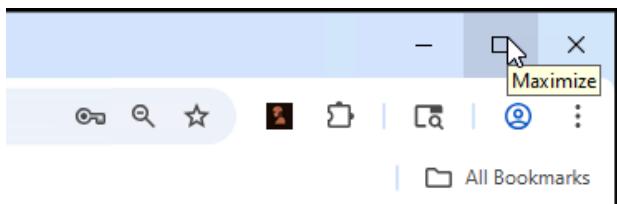
\_3. For Username, enter '**Jack**', and for password, enter '**passw0rd**'. Then, click **Log In**.



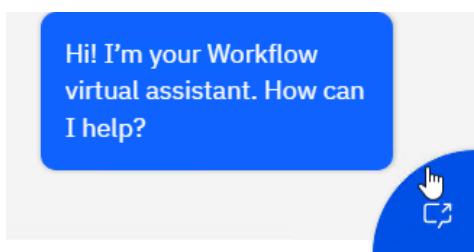
4. You should now see seven user tasks.

Tracking status	Priority	Name	Due on
Overdue	Normal	Task: GM Approval	Jul 1, 2025, 1:12:00 PM
On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM
On track	Normal	Task: Create position request	Sep 30, 2025, 1:06:00 PM
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM
On track	Very high	Task: GM Approval	Oct 26, 2025, 12:06:00 PM
On track	High	Task: Find job candidates	Nov 29, 2025, 12:06:00 PM

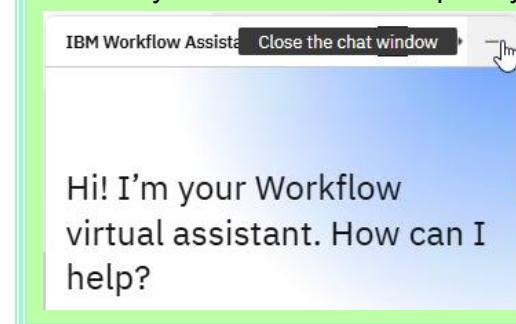
5. Click the **Maximize** icon.



6. Click the **IBM Workflow Assistant** icon in the lower right corner to open the Workflow Assistant.



**Note:** If you need more view space you can close the Assistant by clicking here:

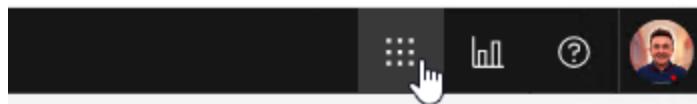


## 2.4 Team Actions

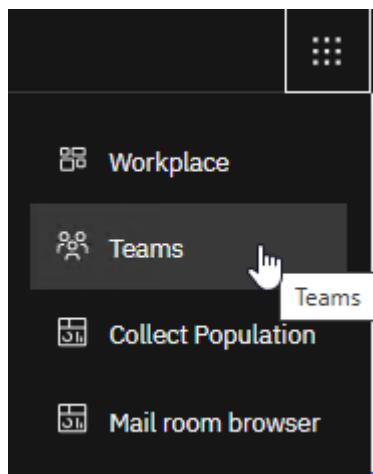
As a team manager, you can use the Assistant to view all the teams that you manage and also understand and manage their workload.

### 2.4.1 Open Team Dashboard

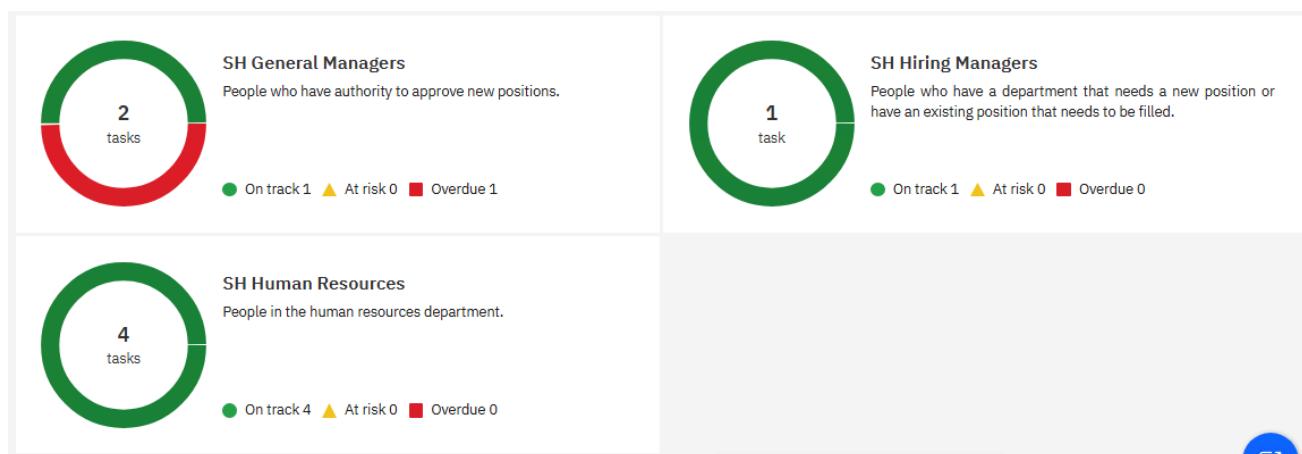
\_7. Click the **Dashboard Selection** icon in the top right corner.



\_8. Click the **Teams** dashboard.



\_9. Note that Jack manages three teams, and the Teams view displays the tasks and their status for all three teams managed by Jack.



## 2.4.2 Select a Team

- \_1. Select **SH Human Resources** team



- \_2. Click the **Tasks** button.



- \_3. Note that the tasks for the SH Human Resources team have no owner.

The figure shows a table of tasks for the SH Human Resources team. The table has columns for Tracking status, Priority, Name, Due on, and Owner. There are four rows, each representing a task named 'Task: Find job candidates'. The 'Owner' column for all four rows is empty and highlighted with a teal border.

<input type="checkbox"/>	Tracking status	Priority	Name	Due on	Owner
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM	
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	
▼	<input type="checkbox"/> On track	High	Task: Find job candidates	Nov 29, 2025, 1:22:00 PM	

## 2.4.3 Ask the Assistant to Assign Tasks to Jack

- \_1. Click the checkbox on the title bar of the Tasks table to select all tasks.

The figure shows a table of tasks with a checkbox in the first column of the title bar. A hand cursor is clicking on this checkbox. The table has columns for Tracking status, Priority, and Name. There are three rows, each representing a task named 'Task: Find job candidates'. The 'Name' column for all three rows is visible.

<input type="checkbox"/>	Tracking status	Priority	Name
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates

\_2. Note that now all tasks are selected, and the prompt of multiple tasks selected comes in the Assistant.

The Assistant understands that multiple tasks are selected and provides actions you could select in the Select an option dropdown.

All items selected

Tracking status	Priority	Name	Due on
On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:00
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:00
On track	High	Task: Find job candidates	Nov 29, 2025, 1:20

Per page: 500 Showing 1 to 4 of 4 entries

IBM Workflow Assistant 7:06 AM You've just selected a task. Here's what you can do with it:

- Select an option
- Get task summary
- Ask any questions for this task
- Update the task due date
- Update priorities
- Reassign task

Multiple tasks selected

Assign to Jack Activate Windows Go to Settings to activate Windows. Built with IBM watsonx

Alternatively, rather than selecting the *Reassign task* option, we could also ask the Assistant directly to reassign tasks. Let's do this in the next step.

\_3. In the Assistant's prompt, type **Assign to Jack** and press the **Enter key**.



\_4. Click the **No** button - we are done working on tasks.

11:32 AM

Task: Find job candidates is now assigned to Jack.

Task: Find job candidates is now assigned to Jack.

Task: Find job candidates is now assigned to Jack.

Task: Find job candidates is now assigned to Jack.

Do you want to continue with the previous topic: INTERNAL TASK SUGGESTION?

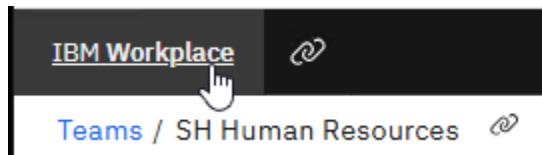
**Yes** **No**

\_5. Note that it appears the Assistant assigned all the tasks to Jack.

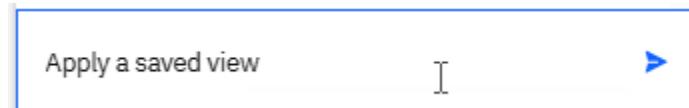
<input type="checkbox"/>	Tracking status	Priority	Name	Due on	Owner
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM	Jack
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Jack
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Jack
▼	<input type="checkbox"/> On track	High	Task: Find job candidates	Nov 29, 2025, 1:22:00 PM	Jack

## 2.5 Task Actions

\_1. Click **IBM Workplace** to switch back to the Workplace Dashboard.



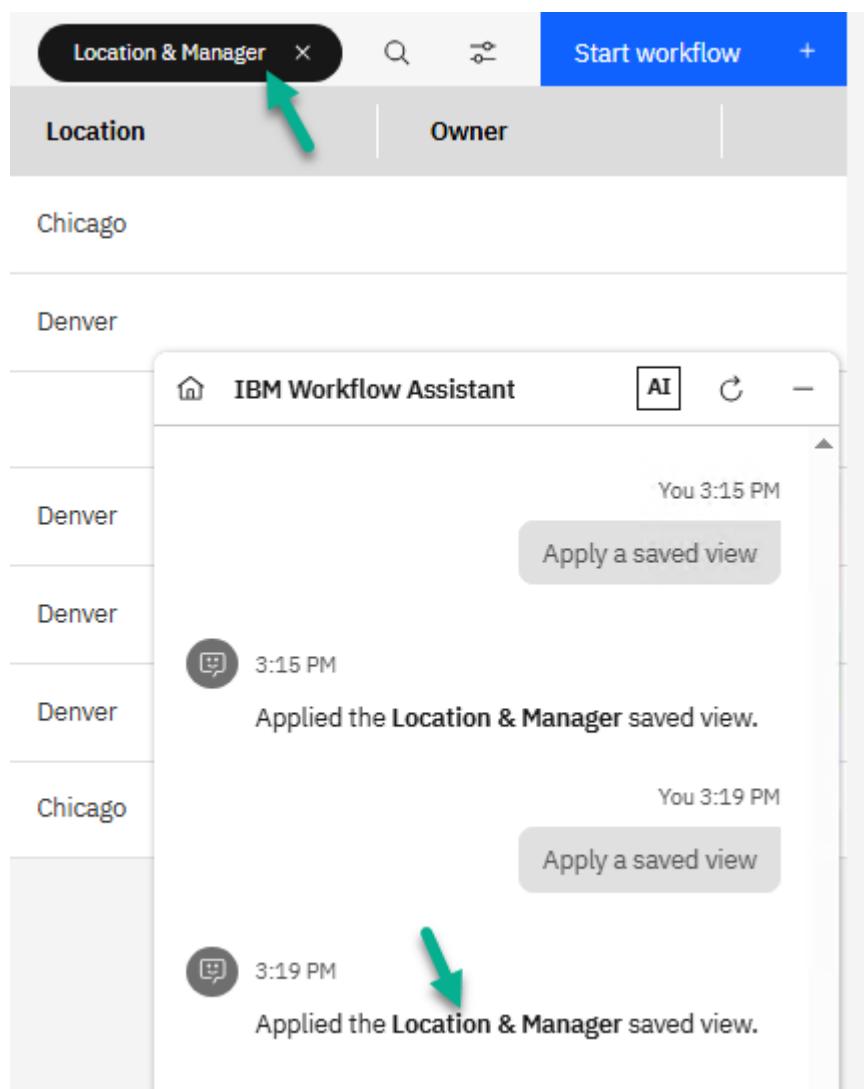
\_2. In the Assistant's prompt, type **Apply a saved view** and press the **Enter key**.



**Note:** Since we only have one saved view (Location & Manager), the Assistant will apply that view and not ask us to select from a list of view options.

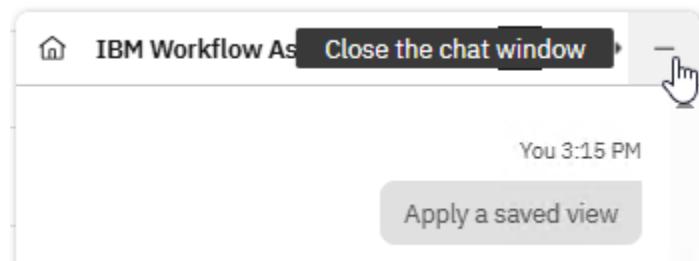
\_3. You should now see the *Location & Manager* saved view applied.

**Note:** If you do not see the Saved View applied, repeat the prompt.



Note that the Assistant applied the Location & Manager saved view. If there were more than one saved view, the Assistant would have listed them all and asked you to select one.

\_4. Click the **Close button** to close the Chat Window.



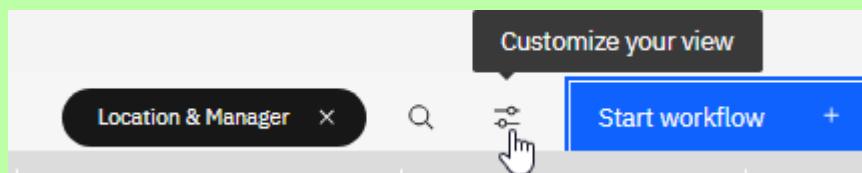
5. Let's examine the Tasks View.

Tracking status	Priority	Name	Due on	Hiring Manager	Location	Owner
Overdue	Normal	Task: GM Approval	Jul 1, 2025, 1:12:00 PM	Glen Morangie	Chicago	
On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM	Laga Vulin	Denver	Jack
On track	Normal	Task: Create position request	Sep 30, 2025, 1:06:00 PM			
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Johnnie Walker	Denver	Jack
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Glen Morangie	Denver	Jack
On track	Very high	Task: GM Approval	Oct 26, 2025, 12:06:00 PM	Laga Vulin	Denver	
On track	High	Task: Find job candidates	Nov 29, 2025, 1:22:00 PM	Johnnie Walker	Chicago	Jack

Note that:

- We see tasks from the started instances of the Smart Hiring process.
- Some tasks have owners. Recall that as the Team Manager, you assigned four tasks to Jack.
- The business data of the Smart Hiring porcess is shown: Hiring Manager and Location.

**Note:** If you want to examine the Saved View, you can click the **Customize your view** button to open the Saved View.



Notice the filters, sort criteria, and column selection:

Select the filters to use
Select the column to sort by
Select the columns to show

**Location & Manager** x Start workflow

**Visible columns**

\*Tracking status ⓘ

Hiring Manager ⓘ

Priority ⓘ

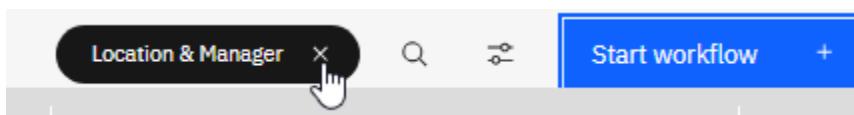
Location ⓘ

\*Name ⓘ

Owner ⓘ

\*Due on ⓘ

6. Click x to remove the Saved View.



## 2.5.1 Filter Tasks by Business Data

- \_1. Click the **IBM Workflow Assistant** icon in the lower right corner to open the Workflow Assistant.



- \_2. In the Assistant's prompt, type "**Show me tasks with Hiring Manager set to Johnnie Walker**" and press the **Enter key**.

Show me tasks with hiring manager set to Johnnie Walker ➤

- \_3. You should now see the *Location & Manager* saved view applied.

	Tracking status	Priority	Name	Due on	Hiring Manager
▼	<input type="checkbox"/> On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Johnnie Walker
▼	<input type="checkbox"/> On track	High	Task: Find job candidates	Nov 29, 2025, 1:22:00 PM	Johnnie Walker

**Note:** If you do not see **Location & Manager** saved view applied, and see this instead,

IBM Workflow Assistant AI ↻ -

You 8:09 AM

Show me tasks with Hiring Manager set to Johnnie Walker

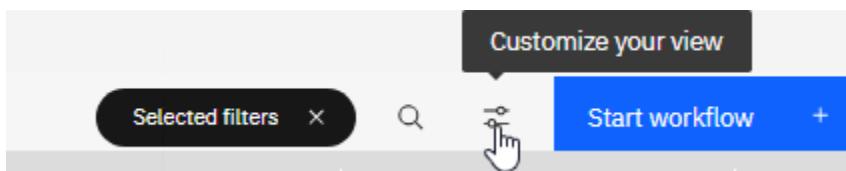
8:09 AM

Please select which business data to filter with:

Select an option ▾

Repeat the prompt: **Show me tasks with Hiring Manager set to Johnnie Walker**

- \_4. Click the **Customize your view** icon.



- \_5. Note that the Assistant has added a filter to your view that reflects your intent.  
Without the Assistant's help, you would have to add this filter manually.

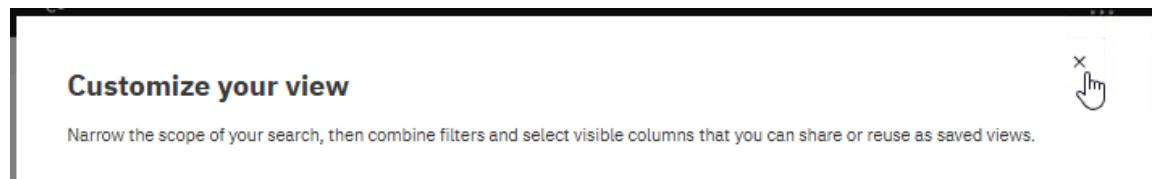
The screenshot shows the 'Customize your view' window with the 'Basic' tab selected. Under 'Scope the search', there is a checkbox for 'Enable scoping'. In the 'Select the filters to use' section, three filters are defined:

- Task state: is Claimed and available
- Activity type: is User task
- Hiring Manager: is Johnnie Walker

The 'Hiring Manager' filter is highlighted with a green border.

**Note:** You used the task "business data" to create a filter. Similarly, you could use process business data, such as tasks' "tracking status", for example, you could say "Which tasks are at risk?".

- \_6. Click **X** to close the *Customize your view* window.



## 2.5.2 Getting Task's Summary

- \_1. Select the **second task**.

1 item selected			
	Tracking status	Priority	Name
▼	<input type="checkbox"/> On track	Normal	<a href="#">Task: Find job candidates</a>
▼	<input checked="" type="checkbox"/> On track	High	<a href="#">Task: Find job candidates</a>

- \_2. In the Assistant's prompt, type "**Get task summary**" and press the **Enter key**.



\_3. You should now see the task's summary, which combines business data, such as the **job description**, with system data, including the **due date**.

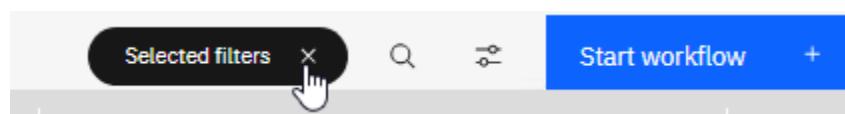
The screenshot shows the IBM Workflow Assistant interface. At the top, it says "IBM Workflow Assistant" with an AI icon. Below that, it shows the time "You 10:06 AM". A button labeled "Get task summary" is visible. The main content area displays a summary of a task: "Find job candidates". The summary includes details about its activation date (July 3, 2025), current state ("Ready"), assigned team ("SH Human Resources"), priority (High), due date (November 29, 2025), and description (Python Developer position in Finance department). The "due date" and "The job description is" parts are highlighted with green boxes. A blue question mark icon is at the bottom right. A black bar at the bottom left says "Task selected: Find job candidates".

Note: the content returned by the LLM powering this query may differ slightly from the screenshot above.

\_4. Unselect the **second Task**.

<input type="checkbox"/>	Tracking status	Priority	Name
▼ <input type="checkbox"/>	On track	Normal	Task: Find job candidates
▼ 	On track	High	Task: Find job candidates

\_5. Click X to remove **Selected filters**.



## 2.5.3 Prioritizing Tasks

If you ask the Assistant to prioritize tasks, the Assistant opens the next most important task for you. The Assistant prioritizes tasks that you have already claimed first. If you haven't claimed any tasks yet, it automatically claims the next best task for you.

Note: If AI-based task prioritization (see [Prioritizing work](#)) is enabled, the Assistant opens your next best task based on the prediction of the next best task model. Similarly, it prioritizes amongst the tasks that you have already claimed, but if you haven't claimed any tasks, it automatically claims the next best task for you.

### 2.5.3.1 Show Tasks Available to Jack

\_1. In the Assistant's prompt, type "**Show tasks by owner Jack**" and press the **Enter key**.

Show tasks by owner Jack



\_2. You should now see the tasks that, as the Team Manager, you assigned to Jack.

Tracking status	Priority	Name	Due on	Owner
On track	Normal	Task: Find job candidates	Sep 26, 2025, 1:20:00 PM	Jack
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Jack
On track	Normal	Task: Find job candidates	Oct 19, 2025, 12:06:00 PM	Jack
On track	High	Task: Find job candidates	Nov 29, 2025, 1:22:00 PM	Jack

Note that the fourth task has the highest priority – "High". Most likely, the Assistant will select and open this task for Jack!

### 2.5.3.2 Ask the Assistant to Open Next Best Task

\_1. In the Assistant's prompt, type "**Open the next best task**" and press the **Enter key**.

Open the next best task



\_2. Select Priority.

11:58 AM

What's more important for you?

Priority

Due Date

- \_3. Note that, as expected, the Assistant opened the task for Jack with "High priority" – the fourth task in the list.

The screenshot shows the IBM Workplace interface. At the top, there's a dark header bar with the text "IBM Workplace" and a small profile icon. Below the header, the main content area has a light background. It displays a link "Workplace / Task: Find job candidates" followed by a small circular icon with a question mark. Underneath this, there's a green circular icon with a white dot, followed by the text "High priority | Due on Nov 29, 2025, 1:22:00 PM".

- \_4. Click the **Workplace** link to return to the Task List, as we will not be completing this task.

This screenshot is similar to the previous one, showing the IBM Workplace interface. However, a cursor arrow is visible, pointing towards the "Workplace / Task: Find job candidates" link. The rest of the interface elements, including the "High priority" task, remain the same.

## 2.6 Start Actions

### 2.6.1 Start a Smart Hire Workflow Instance

- \_1. In the Assistant's prompt, type **Start Smart Hire Workflow** and press the **Enter key**.

A screenshot of a text input field with a blue border. Inside the field, the text "Start Smart Hire Workflow" is typed. To the right of the text, there is a blue rectangular button with a white right-pointing arrow on it, which is likely a "Send" or "Enter" button.

**Note:** We could also say "Start Workflow," in which case the Assistant would show us a list of available Workflows to start.

\_2. You should now see a form open to complete the "Create position request" task

IBM Workplace

Workplace / Task: Create position request

Normal priority | Due on Jul 4, 2025, 1:25:38 PM

### Position Request

Requisition number  
1141

#### Position data

\* Position type  
New

\* Location  
Chicago

Hiring manager  
Enter name

Job description

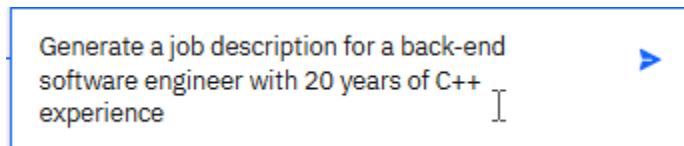
Generate

Note the "Job description" entry field. You will learn in the following steps how to get help to generate a job description from:

- (1) Use the Generate button configured to use the Gen AI Workflow capabilities, or
- (2) Ask the Workflow Assistant!

## 2.6.2 Get Assistance in Completing the Task from the Assistant

\_1. In the Assistant's prompt, type "**Generate a job description for a back-end software engineer with 20 years of C++ experience**" and press the **Enter key**.



\_2. Note that the answer came back with \*\*markup\*\* tags.

The screenshot shows the IBM Workflow Assistant interface. At the top, it says "IBM Workflow Assistant" with an AI icon. Below that is a message from "You" at 12:59 PM: "Job Title: Senior Back-end Software Engineer (C++ Specialist) Company Overview: We are a cutting-edge technology firm seeking an exceptionally skilled and experienced back-end software engineer to join our team. As a leader in our industry, we are committed to delivering high-quality, scalable, and efficient software solutions that meet the evolving needs of our customers. Job Summary: We are looking for a highly".

\_3. In the Assistant's prompt, type "**Render the markup**" and press the **Enter key**.

\_4. Note that the Job description is now formatted. You could now copy and paste it into the Job description field.

The screenshot shows the IBM Workplace interface. On the left, there's a "Position Request" form with fields for Requisition number (1141), Position data (Position type: New, Location: Chicago), and Hiring manager (Enter name). A green arrow points from the "Job description" field on the form to the AI-generated text in the sidebar. On the right, the AI interface shows the rendered job description: "Job Title: Senior Back-end Software Engineer (C++ Specialist) Company Overview: We are a cutting-edge technology firm seeking an exceptionally skilled and experienced back-end software engineer to join our team. As a leader in our industry, we are committed to delivering high-quality, scalable, and efficient software solutions that meet the evolving needs of our customers. Job Summary: We are looking for a highly".

### 2.6.3 Get Assistance in Completing the Task from the Workflow Gen AI Capability

\_1. In the *Job description* field, type "**Generate a job description for a back-end software engineer with 20 years of C++ experience. In the answer, render the markup.**" and press the **Generate** button.

Job description

Generate a job description for a back-end software engineer with 20 years of C++ experience. In the answer render the markup.

Generate



\_2. Verify that the Job description looks similar to this:

Job description

...  
Job Title: Senior Back-End Software Engineer (C++)

Job Description:

We are seeking a highly skilled and experienced Senior Back-End Software Engineer with a strong background in C++ to join our dynamic team. The ideal candidate will have a minimum of 20 years of hands-on experience in C++ development, demonstrating a deep understanding of the language and its best practices.

Responsibilities:

- \* Design, develop, and maintain high-performance, scalable, and robust back-end systems using C++
- \* Collaborate with cross-functional teams to define, design, and ship new features
- \* Implement and optimize complex algorithms and data structures
- \* Ensure the performance, quality, and responsiveness of applications
- \* Identify and correct bottlenecks and fix bugs

**This marks the end of the lab.**

## Notices and disclaimers

© 2025 International Business Machines Corporation. No part of this document may be reproduced or transmitted in any form without written permission from IBM.

### **U.S. Government Users Restricted Rights – use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM.**

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

Information in these presentations (including information relating to products that have not yet been announced by IBM) has been reviewed for accuracy as of the date of initial publication and could include unintentional technical or typographical errors. IBM shall have no responsibility to update this information.

**This document is distributed "as is" without any warranty, either express or implied. In no event, shall IBM be liable for any damage arising from the use of this information, including but not limited to, loss of data, business interruption, loss of profit or loss of opportunity.** IBM products and services are warranted per the terms and conditions of the agreements under which they are provided. The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

IBM products are manufactured from new parts or new and used parts.

In some cases, a product may not be new and may have been previously installed. Regardless, our warranty terms apply."

**Any statements regarding IBM's future direction, intent or product plans are subject to change or withdrawal without notice.**

Performance data contained herein was generally obtained in a controlled, isolated environments. Customer examples are presented as illustrations of how those customers have used IBM products and the results they may have achieved. Actual performance, cost, savings or other results in other operating environments may vary.

References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business.

Workshops, sessions and associated materials may have been prepared by independent session speakers, and do not necessarily reflect the views of IBM. All materials and discussions are provided for informational purposes only, and are neither intended to, nor shall constitute legal or other guidance or advice to any individual participant or their specific situation.

It is the Customer's responsibility to ensure its own compliance with legal requirements and to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the Customer's business and any actions the Customer may need to take to comply with such laws. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the Customer follows any law.

### **Notices and disclaimers (Continued)**

Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products. IBM does not warrant the quality of any third-party products, or the ability of any such third-party products to interoperate with IBM's products. **IBM expressly disclaims all warranties, expressed or implied, including but not limited to, the implied warranties of merchantability and fitness for a purpose.**

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents, copyrights, trademarks or other intellectual property right.

IBM, the IBM logo, and ibm.com are trademarks of International Business Machines Corporation, registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "Copyright and trademark information" at: [www.ibm.com/legal/copytrade.shtml](http://www.ibm.com/legal/copytrade.shtml).