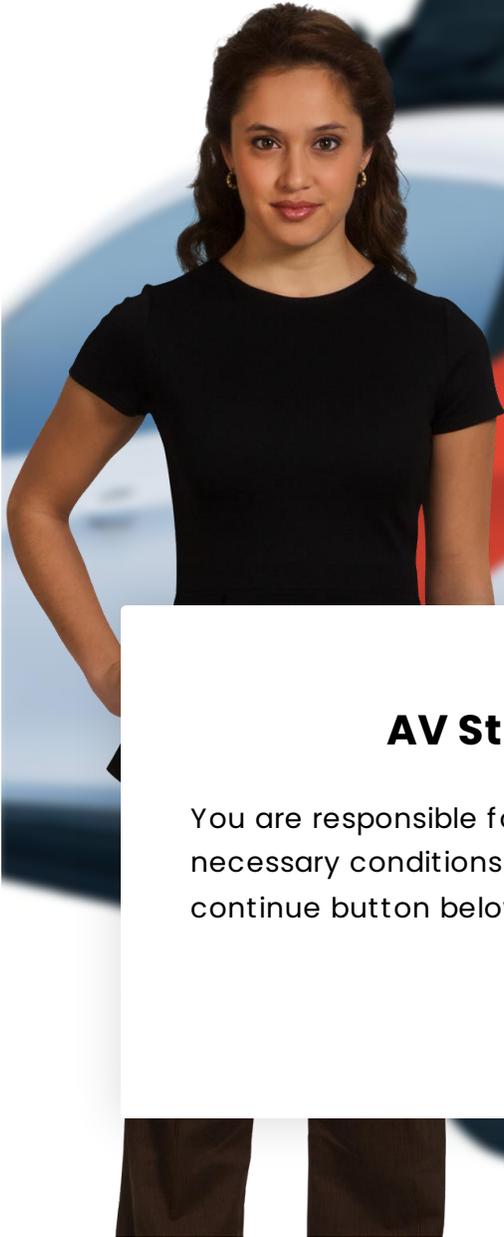


An illustration of a futuristic autonomous vehicle (AV) in a city environment. The vehicle is white with blue and red accents and is positioned in the foreground. The background shows a stylized cityscape with buildings, trees, and people walking on a sidewalk. The overall style is clean and modern.

## Activity: Launching Stack

### Introduction

Stack is the program that operates Cruise's Autonomous Vehicles (AVs). The following scenario outlines the process for launching an AV stack, ensuring all necessary conditions are met, and utilizing different tools for the launch. In this branching scenario, you'll be guiding the launch process for an AV stack. Your choices will determine the tools used for launch and the success of the launch process. Let's begin.



## **AV Stack Launch Process**

You are responsible for launching an AV stack, ensuring all necessary conditions are met using the correct tools. Click the continue button below to get started.

**CONTINUE**

### **Scene 1 Slide 1**

Continue → Scene 1 Slide 2



What must you do to prepare for the fire-up/launch? Select from the options below.

1 Ensure the AV is stationary.

2 Navigate to the Mission Control main page or the Vehicles page in Starfleet.

## Scene 1 Slide 2

0 → Next Slide

1 → Next Slide



**Scene 1 Slide 3**



Which tool should you first use to fire-up/launch stack? Select from the options below.

1 Ciborg

2 Jumpstart

3 Starfleet

## Scene 1 Slide 4

0 → Next Slide

1 → End of Scenario

2 → Next Slide

Put the steps to launch stack from Jumpstart in the correct order by clicking and dragging to match.

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☰ Step 1

Open Jumpstart.

☰ Step 2

Select the checkbox next to the AV you want to launch.

☰ Step 3

Click on the "Control" option located in the lower right corner.

☰ Step 4

Choose "Launch Stack" from the control menu or select the AV's name to reveal the vehicle.

SUBMIT

 **TIP: If you have difficulty remember the steps to launch stack in the correct order within Jumpstart, think of a mnemonic like, *Only Successful Controls Launch.***

1. **Open Jumpstart**
2. **Select the AV you want to launch**
3. **Control option located in the lower right corner**
4. **Launch Stack from the control menu, or select the AV's name to reveal the vehicle**

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## Backup Methods

While you should always try to launch stack first from Jumpstart, there are backup methods in place should Jumpstart not be an option. The tools used for backup launch stack are Ciborg and Starfleet. Let's look at how to launch stack from each of these.

### Option 2: Launching from Ciborg

1. Go to the "Vehicle's Deployment" tab in Starfleet.
2. Click on the "Ciborg" button.
3. Toggle the connection mode in Ciborg to establish either an in-car connection via ethernet or a remote connection via WiFi + VPN.
4. If a branch is deployed on the AV, click on the "Launch Stack" button.
5. The "Launch Stack" button will turn red and display "Stop Stack".

### Option 3: Launching from Starfleet

1. Navigate to the "Mission Control" main page or the "Vehicles" page in Starfleet.
  2. Search for the specific AV by its name and click on the name to access its profile.
  3. Select the "Launch Stack" option.
  4. The AV's software activation process will begin.
- 

What tool records launch metrics?

Jumpstart

Where do you launch  
Cyborg?

Starfleet

Where do you launch  
Starfleet?

"Mission Control" main  
page or the "Vehicles"  
page in Starfleet.

Which tool should you try first when launching stack?

Jumpstart

## Summary

By following the correct procedure, the AV stack can be successfully launched, meeting all necessary conditions and utilizing various tools. The process ensures a safe and controlled activation of the AV's software stack for autonomous driving.

For more information on launching stack, refer to [Pit Crew Handbook v4](#)

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Poppy

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## **Finding a way**

Congratulations! You have successfully completed this stack launch exercise.

cruise

