



Course / Project Title: **Build a Typescript application to integrate a software tool.**

Course Lead: DevRev team

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Introduction to the course:	Building a customer-facing integration plugin on customer relationship management software, using Typescript, APIs, and webhooks. The plugin will integrate the Customer Relationship Management software (CRM) with Github.
What does this course aim to achieve?	Once you go through all the concepts and tutorials in this course, you will be proficient with: <ul style="list-style-type: none">• Typescript, Git, and VSC best practices• Hands-on knowledge of rest APIs, SDKs• Webhooks, CLI, bash scripting and debugging• Working with CRM and support software
What is being built in this course:	A Typescript application to integrate a software tool.
How is it being tested:	<ol style="list-style-type: none">1. Create and install the Plugin(Snap-in) in your DevRev instance.2. Create a test Issue work item in DevRev3. The Test issue work item should create an Issue in your associated GitHub repository.
Course Prerequisites	<ol style="list-style-type: none">1. Basic knowledge of Typescript.2. Basic knowledge of working with APIs and Webhooks



1. Component requirements

S.no	Hardware & Software needed	Online links (if any)
1	JQ	https://jqlang.github.io/jq/
2	Npm	https://docs.npmjs.com/cli/v10/commands/npm-install
3	DevRev CLI	https://github.com/devrev/cli

2. Step-by-step Procedure to Build & Test

S.no	Step-by-Step Procedure	Time
1	Go through the “ Introduction to CRM ” PDF provided in the course page. This is essential to get an overview. Understand the example given before getting started with your build.	
2	Get access to your DevRev instance. Go to this link to Signup .	
3	Once logged in, go to Settings > Account. Then generate your Personal Access Token (PAT). This will be handy	
4	Now, go through all the 5 sections under Snap-in Tutorials, available on DevRev official docs	
5	The sections are - <ul style="list-style-type: none">○ Getting started○ Using a snap-in to perform a DevRev action○ Snap-in triggered by a DevRev event○ Snap-in triggered by an external source○ Using snap-in to perform an external action {final step}	