How to Automate Job Build When Anything Will Change into The Github Files or Code

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| First, we need to go to generate a personal token into the GitHub account | Go to settings and click on Developer settings  A screenshot of a cell phone  Description automatically generated  Click on Generate Token  A screenshot of a social media post  Description automatically generated  Give access to the token, write something in NOTE and click on the “Generate token”  **NOTE: GIVE ACCESS TO THE AS PER REQUIREMENT**  **A screenshot of a cell phone  Description automatically generated**  Get generated token. Once we get token, save it somewhere securely because we can see that token one time only.  A screenshot of a cell phone  Description automatically generated |
| Go to Jenkins and configure Github Server | Go to Manage Jenkins  Select Configure System  Click on Add GitHub Servers  A screenshot of a social media post  Description automatically generated  Name: Anything we can give  Credentials: Click on “Add” button and select Jenkins  Kind: Select “Secret text”  Secret: Give the token which we generated on GitHub  ID: We can give anything  Description: We can give anything and Click on Add  A screenshot of a cell phone  Description automatically generated  Select “Git\_Token\_Add” from the list of Credentials  A screenshot of a cell phone  Description automatically generated  Check “Manage hooks”  By clicking Test Connection we can check the Credentials are valid and verified or not  Click “Apply” and “Save” |
| Add Jenkins URL to the GitHub to the particular repository  **NOTE: WE CAN ADD WEBHOOKS TO THE PARTICULAR REPOSOTORY ONLY SO WHENEVER THAT REPOSOTORY GET NEW COMMIT AND NEW PUSH, IT WILL BUILD A JOB AUTOMETICALLY INTO THE JENKINS** | Open GitHub and go to the repository where we want to apply automation  Click on settings  A screenshot of a cell phone  Description automatically generated  Select “Webhooks”  A screenshot of a cell phone  Description automatically generated  Click on add “Webhooks”  A screenshot of a cell phone  Description automatically generated  In “Payload URL” we need to pass the Jenkins URL  To get Jenkins URL,  Go to the Manage Jenkins  Select Configure System  We can find the URL under the “Jenkins Location” Section  A screenshot of a social media post  Description automatically generated  Copy that URL and pest to the “Payload URL”  After Jenkins URL we need to add “github-webhook/”  Content type: Select application/json  Select event when we want to trigger build to this webhook:  Here, we will select “Send me everything”  **TO SELECT PARTICULAR EVENT WE NEED TO SELECT “Let me select individual event” AND INSIDE THAT WE CAN CHOSE PARTICULAR EVENTS.**  Press “Add webhook” |