

<b>CloudFormation</b>	<ul style="list-style-type: none"><li>• CloudFormation allows you to manage, configure and provision AWS infrastructure as code. (YAML /JSON)</li><li>• Remember the main sections in the CloudFormation Template:<ol style="list-style-type: none"><li>1. Parameters - Input custom values.</li><li>2. Conditions - e.g. Provision resources based on environment.</li><li>3. Resources - Mandatory, the AWS resources to create.</li><li>4. Mappings - Create custom mappings like Region : AMI</li><li>5. Transforms - Reference code located in S3 e.g. Lambda code or reusable snippets of CloudFormation code.</li></ol></li></ul>
<b>Elastic Beanstalk</b>	<ul style="list-style-type: none"><li>▪ Deploys and scales your web applications including the web application server platform where required.</li><li>▪ Supports widely used programming technologies - Java, PHP, Python, Ruby, Go, Docker, .Net, Node.js. And application server platforms like Tomcat, Passenger, Puma, and IIS.</li><li>▪ Provisioning the underlying resources for you.</li><li>▪ Can fully manage the EC2 instances for you or you can take full administrative control.</li><li>▪ Also manage the updates, monitoring, metrics and health checks all included.</li></ul>
<b>OpsWorks</b>	<ul style="list-style-type: none"><li>▪ It allows you to automate your server configuration using managed instances of Puppet or Chef</li><li>▪ It's a fully managed service so you do not need to configure and operate your own configuration management environment.</li><li>▪ So if you have a requirement to manage your EC2 and on-premises systems using Puppet or Chef, <b>OpsWorks</b> is the tool to use.</li></ul>