**AWS Systems Manager**

AWS Systems Manager is a service that helps you manage your cloud resources and on-premises servers. It simplifies the process of managing and maintaining your infrastructure.

It provides a single interface where you can manage your servers and applications, regardless of whether they are running in the cloud or on-premises.

we can automate common tasks like updating software, patching systems, or running scripts, which saves time and reduces manual errors.

SMM IN Otsuka Prospective :

when we want to deploy ec2 instance, ssm job wl taken care to add servers into active directory.

WORK flow:

system manager>state manager> here we hv jobs>domainn joining, and tagging.

this are scheduled based Event triggred jobs.

like when ever new ec2 instance provisioned then event will trigger and execute the job

based on the backend lambda functions.



once close ec2 deploy request it wl create another 5 sr like , backup validation, tools instalation, and monitor validations.

tools means defender (antivirus ), flexera (accest management tool), rapid 7 (vulnerability tool) this tools instalation taken care by ssm.

we need to validate that server installed to flexera and it has to validate to fxexera dashboard.

once all done. BTPS onboarding task wiil assign , we have to work with btps to server onboarding. we wl get to know the server new or existing application. we have to provision the new Security Group .

our job is just ensure and conform this tools installed or not.

based on application access we need to define the security group.

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Patching Management Via SSM

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