Competency Name:	Digital: Amazon Web Service(AWS) Cloud Computing			
Broad Definition:	This competency refers to the ability of an employee to work on Amazon Web Services (AWS). This Competency Measures Skill levels of an associate in utilizing the services offered by AWS for developing solutions/deploying applications on AWS			
Criteria	E0	E1	E2	E3
I Criteria for defining proficiency vis-à-vis knowledge & skills				
1.Precondition [Expressed as a prerequisite - in terms of academic qualification AND / OR industry experience (whichever is applicable) AND / OR relevant knowledge in any other competency	Should possess basic knowledge on: Computer Networks (Basics) and cloud computing	Should have completed all the prerequisites in E0. Should have knowledge on AWS, awareness on standardsand conceptsof cloud model	Should have completed all the prerequisites in E0-E1. Should have knowledge on security model of AWS, awareness on services offered	Should have completed all the prerequisites in E0-E2. Should have knowledge on security model of AWS, awareness on services offered
2. Knowledge [Expressed as Area of knowledge and not skill, includes knowledge of process, methodologies, concepts and tools.]	Should have 1) Knowledge on IAAS, SAAS, and PAAS. 2) AWS Cloud service paradigm(IAAS), 3) Comparison of on - Premise and cloud model in terms of meeting the demands with the best utilization of resources 4) Basics of AWS like Lifecycle of instances, registration process, IAM, Instance, concepts 5) Products of AWS, Use cases of AWS	Should have: 1) AWS related Security Standards, Certifications, and Accreditations 2) Knowledge of shared responsibility in security between the customer and AWS 3) Glimpse of Services AWS under Storage and Content Delivery, Datavbase, compute and Networking, Deployment and MAnagement, Analytics and application services. 4) Shuld be able to create EC2 instance, Security Groups, Elastic IP, SAnpshot, Volume, AMI from Administrative Console of AWS	Should Possess: 1) Deep dive into core AWS services like Elastic Compute cloud (EC2). Simple Storage Service (S3) and Cloud Watch. 2) EC2 (Overview) --> Kinds of instances - spot, on-demand and Reserved instances, ELB, Auto Scaling, EBS, Instance Store, Amazon MAchine Image, Elastic IP, Key pair, Secirity Groups 3) Overview of S3 4) Cloudwatch 5) Overview on AWS Storage or Content delivery Offering (Glacier, cloud front) 6) KNowledge on AWS Paas offering 7) RDS, and SNS and Practical Demo	Should possess: - Ability to Analytics Benefits and create Business case and Showcase the pros of migrating to AWS - Should have knowledge about AWS market place, cost mgmt and resourse optimization - Deep dive into concepts like IAM and Cloud formation - IAM(Overview) - Cloud Formation(Overview) - Redshift and EMR Overview - Deep dive into VPC, Practical demo on VPC -

3. Experience [Expressed as duration in months / years wrt exposure, including breadth & the depth of assignments; also beyond project experience]				
3.1 Type of relevant experience [Type of assignments/ areas /outcomes the professional has worked on; total time to be spent on each function]	Should have 1-3 months of hands-on experience in any programming language - OR more than 3 months of Experience in IS Support	SShould have: -Minimum 1 year hands on experience in creating or maintaining web based aplications (OR) - MIN 1 year hands on exp in managing infrastracture resources (AND) Should have worked for a project on EC2, EBS and S3 (AND) Should have exposure to command line programming used in AWS (AND) - should have experience in using AWS free version provide by vendor post registration in the website	Should have minimum 1 year experience in deploying AWS cloud in place of conventional infrastructure including horizontal/vertical scaling OR Should have minimum 1 year experience in manging and monitoring AWS cloud servies AND should have completed 2-3 projects on EC2, EBS and S3 AND Should have done min 2 external client engagements AND (Should have min 6months hands on exp in AWS storage or content delivery offering like glacier/cloudfront OR should have min 6 months hands on exp AWS PAas offering like	Should have worked for minimum 3 years in BI projects. Should have led 1 minimum Informatica specific project from technical solution perspective.
3.2 Beyond project development experience [Includes [1) Solutioning of proposals 2) Reviews done 3) No. of contributions made to trainings/training material]	None	NA	Should have consulted for TCS customers in atleast 2 engagements wrt AWS	Should have consulted for TCS customers in ateast 5 engagements wrt AWS. AND ahould have done resource optimization using automation
4. Asset Creation [Expressed as any reusable and deployable assets created in the knowledge management system of the organization]				

4.1 Process frameworks defined [Articulated as the process improvement designed OR a new process framework designed]	None	None	None	NA
4.2 Tool creation [Expressed as a system or function tool designed OR created towards improving business delivery / learning]	None	None	None	NA
4.3 Reusable & deployable assets created [Expressed as reusable and deployable assets created (like those in Mighty & Knowmax]	None	NA	NA	Best Practices (Overall in utilizing the AWS services) to be documented - case study of the involved customers
OR				
No. of training material created [Expressed as the number of relevant training material created towards development of a particular body of knowledge or skill]	None	NA	Should have: - Created atleast one hands on TCS training Material for AWS - Should have conducted 1 or more AWS overview sessions	Should have created training material on advanced concepts
5. Industry contribution [Expressed as the contributions made to the industry.This criteria should be measured by mechanisms for eg: TCS GEMS]				
5.1 Recognized by Peers [Expressed as the recognition given by the peer community and should be measured by appropriate mechanism such as TCS GEMS]	None	None	Should have been identified as SME IaaS Migrations involving AWS as the Vendor	Should be playing the role of a AWS Solution Architect, able to suggest original solutions using varius cmponensts of AWS
AND/OR				

Recognized by a Parent Body [Expressed as the contribution recognized by a renowned and recognized parent body]	None	None	NA	NA
AND/OR	NA			
Invited as Speakers [Expressed as recognition from an external body when it extends an invitation to the speaker to address a recognized forum]	None	None	None	NA
II Assessment / Evaluation Methodology vis-à-vis Proficiency Level				
1. Certification [Expressed as achievement of external programs - certifying a part of the proficiency level, Achievement of internal programs - internal trainings attended]	As defined by LO.	As defined by LO.	As defined by LO.	As defined by LO.
2. Evaluation Test [Expressed as a certification the individual has to achieve towards the said proficiency level. (for eg.,Type of tests for each proficiency should be defined-like for E0 level it will be only self assessment, for E1 it should be panel review etc)]	As defined by LO.	As defined by LO.	As defined by LO.	As defined by LO.
Version History				
Project Details: #Talent Development Digital Competency Buidling Initiative				
Unit: *ATU*				
Parent Project- ATU Platform - MSFT and Cloud AWS COE				

Project Owner/GL- Name & employee No : Sumedh Waiker(103415)			
Amendment History:			
Version	Defined By	Approved By - Role & Group	Facilitated By
Version 1	M.S Senthil Kumar (348008)	Sumedh Waikar (103415)	Sulabha Kapdoskar(384715) Learning & Development. Date : 17-4-14
Version 2	M.S Senthil Kumar (348008)	Debtanu Paul (103834) Technology CLP Head - Talent development	SnehaChowdary Mothkur (534985) iEvolve Talent Development.