## Career Community Owner:

Information Technology

## Job Family Owner:

IT-Enterprise Data

# (F) Data integration

## Skill Description:

Develop and implement data mappings and identify / promote data standards that facilitate the interaction of data between disparate systems.

Skill proficiency will progress with work experiences. For example:

- Use existing data mappings and ETL tools

- Design and develop data mappings, standards, and tools as part of a project

- Lead the design and development of data conversion and data integration across multiple project implementations, applying current and emerging technologies

## Proficiency Level Descriptions

|  |  |  |  |
| --- | --- | --- | --- |
| Level 1 | Level 2 | Level 3 | Level 4 |
| • IT practitioner who understands core services, technologies and processes• Has basic understanding of the key IT concepts and principles, and uses these skills in simple/routine situations | • IT professional for a business process or technical area with a comprehensive understanding of the key IT concepts, principles and methods.• Applies these skills independently in moderately complex situations. | • IT expert (comparable to industry) for a business process or technical area.• Applies skills in highly complex, cross-functional situations and positively impacts the organization | • IT leader (comparable to industry) designing and leading complex activities across business process or technical areas.• Consistently demonstrates and is widely recognized as being highly effective in the principles and methods of the skill |

## Potential Meaningful Experiences (Examples of opportunities to exhibit this skill)

|  |  |  |  |
| --- | --- | --- | --- |
| Level 1 | Level 2 | Level 3 | Level 4 |
| • Delivering basic services and products through direction and support• Demonstrating work planning and measuring progress towards objectives• Demonstrating effective teamwork with EMIT colleagues and business | • Independently delivering quality products and services to industry/commercial standards• Leveraging the skills of others effectively while managing and prioritizing own work and time• Starting to demonstrate leadership/mentoring skills and contributing to grow organization skills | • Leading and influencing activities across teams to ensure services/products meet strategic objectives• Effectively championing new processes, methods and techniques, and demonstrates ownership of decisions and issues• Stimulating and mentoring others through ideas and information to grow organization skills and knowledge sharing | • Building global networks and effective partnerships –internal and external –to leverage own skills and contribution• Leading strategic and technical change in support of EMIT/ business strategic objectives• Sponsoring activities to grow organization skills and developing individuals to prepare them for key roles in the organization |

## Job Roles Associated with this Skill (Career Community / Job Family / Job Role)

Level 1

Research & Technology  
 • RT-Computational Sciences  
 • Data Science Technologist

Level 2

Research & Technology  
 • RT-Computational Sciences  
 • Advanced Data Science Technologist

Level 3

Research & Technology  
 • RT-Computational Sciences  
 • Expert Data Science Technologist

Level 4

Information Technology  
 • IT-Analytics  
 • Business Intelligence  
 • IT-Enterprise Data  
 • Data Usability

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