



AWS Ramp-Up Guide: Manufacturing: Data and Machine Learning

For developers, cloud architects, tech leaders, and business decision makers

These learning resources have been curated specifically for the Manufacturing industry, helping a variety of stakeholder know how to get from systems and machine data to business applications in the real-world. Topics include getting systems and machine data into AWS, data pipelines, machine learning fundamentals, and processing and analyzing data using Amazon Kinesis, AWS Glue, Amazon Athena, and Amazon Quicksight analytics. If you want to track your progress, use our Manufacturing Learning Plan.

[Share your opinion](#) of this Ramp-Up Guide!

Learn the Fundamentals of the AWS Cloud

Learning Resource	Type
AWS Ramp-Up Guide: Cloud Essentials	Ramp-Up Guide

Getting Started

Learning Resource	Duration (hrs)	Type	
Introduction to Machine Learning: Art of the Possible	Fundamental	0.5	Digital Training
Connecting Systems and Machines to AWS for Industrial Manufacturing	Fundamental	0.8	Digital Training
Introduction to Amazon Athena	Fundamental	0.2	Digital Training
Getting Started with Amazon EMR	Fundamental	1.0	Digital Training
Getting Started with AWS Glue	Fundamental	1.0	Digital Training
Machine Learning Essentials for Business and Technical Decision Makers	Fundamental	1.5	Digital Training

Additional Resources

Learning Resource	Type
AWS Industry Quest: Manufacturing and Automotive	Game-based Learning
Solutions Library for Manufacturing & Industrial	Webpage
AWS for Industrial	Webpage
Manufacturing: Simplifying digital transformation	Webpage
Security Best Practices for Manufacturing OT	Whitepaper
Getting Started with the Industrial Data Platform on AWS	Blog
Demand Forecasting	Whitepaper
AWS Architecture Center (for Manufacturing)	Reference Architecture
AWS for Industrial Video Playlist	Video