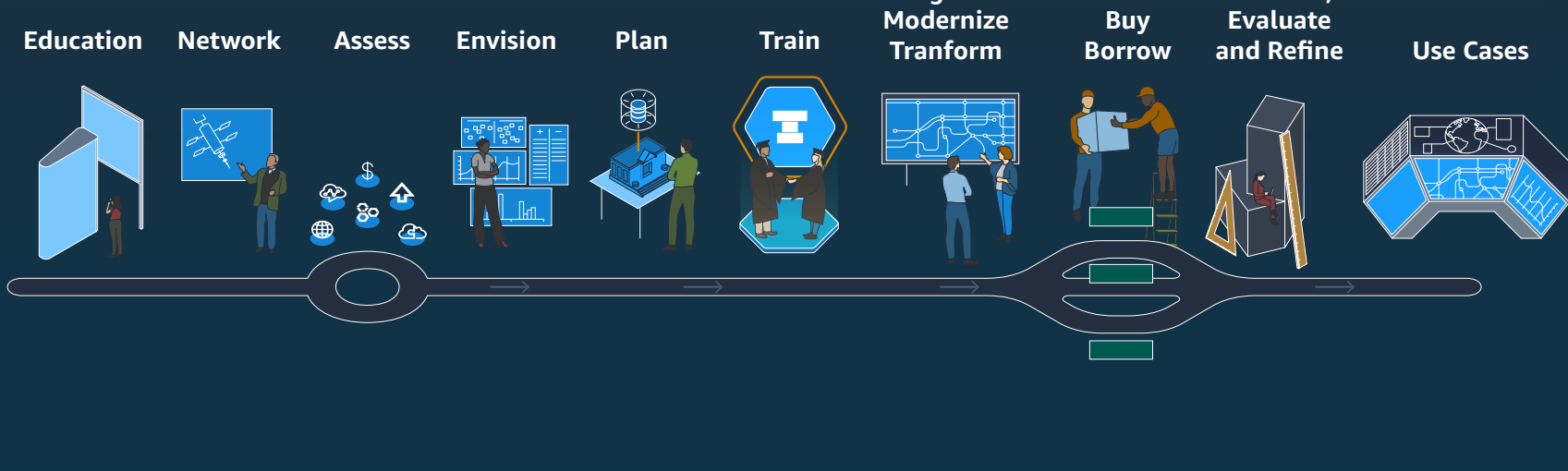




AWS Digital Cities Accelerator

The AWS Digital Cities Accelerator is a tool to guide city leaders through the digital transformation journey. Regardless of city size, location or digital maturity, the Accelerator helps cities harness the power of cloud computing to improve the delivery of citizen services.

Use the Accelerator to see the high-level steps and access a curated collection of resources.



How to Use This Tool

Access the Digital Cities Accelerator online, through presentation deck or as a PDF. Use the Digital Cities Accelerator to see the high-level steps to urban digital transformation and access a curated collection of resources to guide you along the way. The Digital Cities Accelerator supports high-level conversations to align the different city decision makers and helps overcome common barriers to transformation by making it easy to find and access the right information, tools and training for each step in the process.

Education

Get all the information you need to guide your transformation. Use these links to access an extensive library of objective content including blogs, whitepapers and videos to help you learn more about topics like cloud computing, data, security and help your teams build their skills and dive deep with technical guidance.

Network

Peer to peer learning and collaboration is an essential part of urban transformation. AWS provides regular [events](#) and a [global network](#) of [public sector leaders](#) to help foster collaboration. AWS also hosts annual [events](#), [webinars](#) and events to deepen your cloud knowledge and gain new skills to design, deploy, and use the cloud for your mission.

Assess

To understand the scale of the opportunity and the impact transformation can bring to your city, you need to know what you have today. In the Assess section, cities can access the tools and technology to dive deep and highlight the benefits of moving to the cloud. Using these tools, cities can [identify existing digital infrastructure](#), explore workforce capabilities, [calculate the cost savings of migrating and modernizing](#) and identify potential [reductions in carbon footprint](#).

Envision

Having a clear vision is the foundation of successful transformation initiatives. Learn how [AWS Executive Briefing Sessions](#), [Culture of Innovation](#) presentation and [Workforce Backwards](#) engagements help cities develop visions to get digital transformation initiatives off to a strong start.

Plan

Bring your transformation vision to life with resources such as [Strategic IT Planning](#), that can estimate, budget, and dynamically adjust your IT budget allocations to meet changing business needs.

Train

Increasing cloud skills amongst the city workforce is essential to transformation. [AWS Training and Certification](#), [AWS Academy](#), [AWS Re/Start](#) and [AWS Jobs Board](#) support the building of city staff capabilities with access to 600+ no cost courses, gain experience in an AWS sandbox, explore game-based learning, take AWS Certification Official Practice Exams and more.

Academy

Re/Start

AWS Jobs Board

Educate

Skill Builder

Training & Certification

Migrate, Modernize, Transform

There are three paths to city transformation with the cloud, including [migrating](#) on-premises infrastructure and workloads to the cloud, [modernizing](#) legacy systems and developing new digital solutions that [transform](#) the way cities work. Together these activities drive the digital transformation of cities.

Migration

From lifting and shifting workloads to moving entire data centers, AWS provides the organizational, operational, and technical capabilities you need for a successful migration.

Modernization

Modernizing your applications helps you reduce costs, gain efficiencies, and make the most of your existing investments. Amazon Web Services (AWS) approaches application modernization by dividing the modernization roadmap into discrete increments that focus on three phases: assess, modernize, and manage.

Transformation

Improve city outcomes with new digital solutions that improve ways of thinking and working.

Migrate

Modernize

Transform

Build

AWS offers cities a broad set of global cloud-based products including compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, security, and enterprise applications: on-demand, available in seconds, with pay-as-you-go pricing. From data warehousing to deployment tools, directories to content delivery, over 200 AWS services are available to help cities move faster, lower IT costs, and scale.

Doing

Cities have three ways to begin. They can:

1. Build solutions themselves
2. Buy solutions and services from vendors, or
3. Reuse open source solutions

Build

AWS offers cities a broad set of global cloud-based products including compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, security, and enterprise applications: on-demand, available in seconds, with pay-as-you-go pricing. From data warehousing to deployment tools, directories to content delivery, over 200 AWS services are available to help cities move faster, lower IT costs, and scale.

Buy

Reuse

Buy

[AWS Marketplace](#) is a curated digital catalog that makes it easy for you to find, buy, deploy, and manage third-party software licenses. Discover [how AWS Marketplace](#) can help you accelerate your cloud journey, with everything from sustainability to [smart city innovation](#).

Buy

[AWS Marketplace](#) is a curated digital catalog that makes it easy for you to find, buy, deploy, and manage third-party software licenses. Discover [how AWS Marketplace](#) can help you accelerate your cloud journey, with everything from sustainability to [smart city innovation](#).

Borrow (Reuse)

Open source solutions are a powerful resource for cities. Looking for low cost, proven solutions? Learn from the research and experience of other public sector organizations with open source code, standards, and practices implemented by governments around the world. These resources developed by the public sector can help government agencies at the local, regional, and national levels find solutions that have worked for others so they can accelerate their digital transformation. Access [open source AWS](#) and explore 154 open government solutions such as the [Smart Territories Framework](#).

Reuse

Measure, Evaluate and Refine

A frequently overlooked step is to take the time to [evaluate](#) impact, review what worked and what can be improved. Learn how to build in processes for continual refinement and innovation to realize better results.

Digital Twins

[AWS IoT](#) and [AWS IoT Core](#) help cities create digital twins of physical assets and systems. Digital twins are virtual representations of physical objects or systems that can be used to simulate, predict, and optimize performance.

TFL Open Data

[Transport for London \(TfL\)](#) is a leading example of a city that has successfully implemented open data. TfL's open data program has provided a wealth of information to the public, including real-time bus and tube data, and has helped to drive innovation in the transport sector.

Use Cases

Get inspired with this [curated collection of city success stories](#), with examples of how cities from around the world have harnessed the power of the cloud, big data, IoT and applications to improve operations and delivery of citizen services. See examples of sustainable solutions cities have built to advance diversity, equity, and inclusion, as well as power, transportation, public safety and social services solutions and more. Learn directly from changemakers who are driving innovation in their communities using the cloud.

- [Local Government Use Cases](#)
- [Data](#)
- [Data Infrastructure](#)
- [Digital Twins](#)

The AWS City Transformation Accelerator provides a mechanism for quickly shaping, growing and scaling city digital transformation initiatives. Use this as a resource to innovate on behalf of citizens using secure, cost-effective cloud services.

Chat live, call, or [complete this form](#) to reach an Amazon Web Services (AWS) government, business representative.

