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**Word count (“Script here” column only):** 400

**Position in CCC content (e.g., M1L1):** M7L1

**Note:** File naming convention is CS01, CS02 for cybersecurity videos 1 and 2, etc., and DA01, DA02 for data analytics videos 1 and 2, etc. For simplification of tracking, please do not name module or lesson number in the file name.

#### Video title: Cloud Computing Overview

| **Scene** | **Script here** | **OST (on-screen text)** | **Visual type here** |
| --- | --- | --- | --- |
| 1 | You’ve probably heard the term “cloud computing” before, but have you wondered what it really means?  |  | **ANIMATION**Cute computer hardware floating on a cloud, bobbing slightly, up in a blue sky. A cherub types at a keyboard.Note: This hardware is going to become emblematic and appear a few times. I’m going to call it “hardware from scene 1” or HFS1. |
| 2 | In the real world, cloud computing is a variety of digital services that can be provided over the internet instead of onsite. | **Cloud computing** is a variety of digital services that can be provided over the internet instead of onsite |  |
| 3 | Cloud computing can provide users with on-demand access to a shared pool of computing resources, such as servers, applications, and data storage, that can be rapidly used with minimal management effort or service provider interaction.  |  | **ANIMATION**HFS1 floats down and lands in (or goes out of view behind) a building. Other buildings appear and are connected to the first building with circuit lines and wireless waves. |
| 4 | It can also provide analytics, business intelligence, and other data analysis functions to ensure faster innovation, flexible strategy, and economies of scale. |  | **ANIMATION**Same scene. Over one building superimpose a couple of charts (bar, line, maybe pie). |
| 5 | Using cloud resources, organizations can increase or decrease cloud computing resources on demand, pay only for what they use, and avoid the costs associated with purchasing and maintaining their own hardware and software.  |  | **ANIMATION**Same scene. Over another building a spreadsheet appears with indistinct writing. The writing in some of the cells turns green. |
| 6 | Cloud computing facilitates remote work and collaboration from anywhere with an Internet connection.  This allows employees flexibility and enables companies to work with employees around the world without the cost of extra office space. |  | **ANIMATION**Viewpoint backs up from the HFS1 building to include part of a globe. Laptops appear in various areas and are connected back to the building. |
| 7 | A cloud service provider, or CSP, is a company that offers cloud computing services to businesses and individuals over the Internet.  | **Cloud service provider (CSP)**is a company that offers cloud computing services |  |
| 8 | These services include Infrastructure as a Service or IaaS, Platform as a Service or PaaS, and Software as a Service or SaaS.   | * **Infrastructure as a Service (IaaS)**
* **Platform as a Service (PaaS)**
* **Software as a Service (SaaS)**
 |  |
| 9 | Using IaaS, users can rent virtualized hardware resources, such as servers, storage, and network components from the CSP.  |  | **ANIMATION**HFS1 at the top of the screen. Laptop at the bottom of the screen connects to a server computer in the HFS1. |
| 10 | Using PaaS, developers can build, deploy, and manage applications using cloud-provided environments. |  | **ANIMATION**HFS1 at the top of the screen. Desktop computer at the bottom of the screen connect to it, then a connected phone appears with an app icon on the screen. |
| 11 | SaaS delivers applications such as email and document management over the internet.   |  | **ANIMATION**HFS1 at the top of the screen. Laptop at the bottom of the screen connects to it, then a letter moves down the connection and file folders appear near the HFS1. |
| 12 | Virtualization is a technology that allows multiple operating systems to run on a single physical machine. Multiple isolated environments can be created on a single physical machine, allowing multiple workloads to run at the same time.  | **Virtualization** is a technology that allows multiple operating systems to run on a single physical machine |  |
| 13 | Virtualization software enables the creation of virtual machines. These are representations of computers that run their own operating systems, memory, storage, applications, and network interfaces, all on the same physical machine.  | **Virtual machines**are representations of computers that run their own operating systems, memory, storage, applications, and network interfaces, all on the same physical machine |  |
| 14 | Several virtual machines can run on the same physical computer, so they reduce the need for additional hardware. This makes it an ideal model for cloud computing as well as a valuable service it can offer. |  | **ANIMATION**HFS1 in the middle of the screen. A few faded-color computers appear to the left, connected to the HFS1 by dotted lines. |
| 15 | Virtualization is frequently used in data centers and other environments that benefit from improved resource utilization, flexibility, scalability, and cost savings.   |  | **ANIMATION**Same as previous scene. Arrows appear to the right of HFS1, then computers appear at the end of each arrow. |
| 16 | Cloud computing has become a crucial part of modern data infrastructure. Because it offers so many benefits, it’s likely to remain that way for a long time to come. |  | **ANIMATION**HFS1 and connected buildings from scene 5 appear, then the cupid from scene 1 flies in and gives a thumbs-up. |

**Instructions for “Visual type” column:**

* Lower third
	+ Lower thirds are the name and title of the person on screen, and should be used the first time we meet someone. Please make sure we have correct spellings and titles.
* Text on screen
	+ This can be a few words, a phrase, or a full sentence.
* Quote on screen
	+ Provide both the quote and attribution (if necessary).
* Bullets on screen
	+ Include if we need a header for the list or bullets only.
* Image on screen
	+ Include links to all external photos/videos you’d like us to use. PNG or JPG are preferred, at the highest resolution available.
	+ Include name of the image/video file if it’s not clear.
	+ If you don’t have an exact image to use, please describe what type of image you’d like to use.
* Animation on screen
	+ Please include a description of what you’d like to see here.
		- For example: I want to see a Venn diagram of X, Y, and Z.
	+ If you have a link to an image you’d like us to reference, please include it.
* Slides
	+ Include slide number to use (animations within slides are ok) either exactly as provided, or as a reference.