

FROM MAINFRAMES TO SMARTPHONES A HISTORY OF THE INTERNATIONAL COMPUTER INDUST

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What is the history of mainframe computers? The Birth of Mainframe Computers
Mainframe computer history dates back to the 1950s when IBM, among other pioneering tech companies, developed the first IBM computer mainframe. These early mainframes were colossal machines, filling entire rooms and marked by their substantial processing power.

Which era of business computing had terminals connected to mainframe computers? By the early 1970s, many mainframes acquired interactive user terminals operating as timesharing computers, supporting hundreds of users simultaneously along with batch processing.

What company built the mainframes who used mainframes during the 1970s?
The new mainframe models — designed for the Seventies IBM CEO Thomas J. Watson made reference to the constantly growing demands facing electronic data processing in the 1970s and presented the company's response: the System/370 series, featuring “dramatically higher performance and information storage capacity.”

Which was a company that dominated mainframe computing for a fairly long time in the US? The first modern mainframe, the IBM System/360, hit the market in 1964. Within two years, the System/360 dominated the mainframe computer market as the industry standard. Prior to this machine, software had to be custom-written for each new machine and there were no commercial software companies.

What are 5 examples of a mainframe computer?

Do companies still use mainframes? Just about everyone has used a mainframe computer at one point or another. If you ever used an automated teller machine (ATM) to interact with your bank account, you used a mainframe. Today, mainframe computers play a central role in the daily operations of most of the world's largest corporations.

Is mainframe outdated? Mainframe Technology Is Far From Obsolete – As Always, It's Indispensable.

Why is the mainframe computer important? The biggest benefit of mainframes is their ability to run critical applications at a very large scale. Not every business might need a mainframe, but those that do, rely heavily on mainframe computers for business-critical processes.

Which company dominated the mainframe computer market? IBM mainframes are large computer systems produced by IBM since 1952. During the 1960s and 1970s, IBM dominated the computer market with the 7000 series and the later System/360, followed by the System/370.

Why do banks still use mainframes? In summary, mainframes continue to play a vital role in the banking industry due to their unmatched reliability, security, performance, scalability, and compatibility with legacy systems.

What company revolutionized mainframe computers during the 1960s? IBM in particular was very successful during this decade. Its System/360, controlled almost 70% of the computer market and there was a long wait for their mainframes. IBM's advertising strategies soothed consumers who were concerned about and unfamiliar with computer technology.

Who makes mainframes today? Today, IBM is the only mainframe manufacturer that matters and that does any kind of business at scale. Its de facto competitors are now the cloud and clusters, but as we'll see, it's not always cost-effective to switch to those platforms, and they're not able to provide the reliability of the mainframe.

What are the old mainframe computer companies? The BUNCH was the nickname for the group of mainframe computer competitors of IBM in the 1970s. The name is derived from the names of the five companies: Burroughs, UNIVAC, NCR, and IBM, and the word INDUST.

Control Data Corporation (CDC), and Honeywell.

Who are two major mainframe vendors? There are two primary mainframe manufacturers today: IBM and Fujitsu.

Is mainframe a dying technology? The mainframe is alive and well, and it's not going anywhere anytime soon. In fact, in a 2023 BMC survey, 92% of respondents said they see the mainframe as a platform for long-term growth and new workloads.

Does NASA use mainframe computers? At NASA – as in a lot of private enterprises – mainframes, very powerful and expensive computers, have been replaced with server clusters.

What are the disadvantages of mainframe computers?

What are the six uses of mainframe computers?

Does Amazon use mainframe? AWS has recognized the strategic importance of mainframe workloads for our customers and invested in building a team comprised of highly qualified mainframe resources for AWS Professional Services, Solution Architects, Worldwide Sales Operations, and Partner teams.

What has replaced mainframe? The cloud disrupted this model with the ability to perform similar activities while offering significant cost reductions for organizations. However, mainframes are still widely used today, and they have in many cases evolved and adapted, rather than be replaced by cloud computing.

Will mainframes become obsolete? Looking towards the future, mainframe technology is expected to continue evolving and adapting to the changing landscape of computing. While some may argue that the rise of cloud computing and distributed systems could render mainframes obsolete, the reality is far from it.

What is the oldest mainframe still in use? According to the column, MOCAS is currently believed to be the world's oldest computer program that's remains in active use. It seems that MOCAS (Mechanization of Contract Administration Services) is still used by the United States Department of Defense running on an IBM 2098 model E-10 mainframe.

Who is the father of mainframe computer? Pioneers in Tech: Gene Amdahl, “father” of mainframe computing.

What was the first generation of mainframe computers? This volume describes several different models of IBM computer systems, characterized by different data representations and instruction sets that strongly influenced computer system architecture in the 1950s and early 1960s.

What is the mainframe era of computing? 1950s-1960s The first #mainframe computers were developed in the 1950s and were huge, room-sized machines that were used primarily for scientific calculations and military purposes. These early mainframes were slow, expensive, and difficult to operate, but they marked the beginning of a new era in computing.

What is the IATA resolution 785? Resolution 785, which is one of the hundreds of IATA standard setting guidelines for passenger matters, establishes a simple and coordinated mechanism for the administrative handling of TFCs.

What is the IATA resolution 743? In case of a bag tagged to another destination, respectively re-flighting of mishandled bags, the baggage shall be forwarded to the LL office of the airline at the destination shown on the baggage tag using the expedite baggage tag and procedures (IATA Resolution 743).

What is the IATA resolution 280? 280 OF JULY 11, 2013. (Compiled text) This Resolution establishes procedures related to air transport accessibility for passengers requiring special assistance and gives other provisions. ANAC, in the exercise of the competency granted by article 8, items IV and X, and article 11 of Law No.

What is the IATA resolution 813? 1 the Cargo Executive Council shall meet at least once a year and shall elect its Chairman from its Member airline representatives for a twelve month period.

What is IATA resolution? A resolution provides terms and conditions that applicants and Accredited Agents must comply with to undertake sales on behalf of IATA member airlines.

What is IATA resolution 753? Accelerating Modern Baggage Messaging
Resolution 753 requires airlines to exchange baggage tracking messages with interline partners and their agents. The current baggage messaging infrastructure depends on legacy technologies using costly Type B messaging.

What is the resolution 817 of the IATA? Resolution 817 – Financial Securities This resolution lays down rules and requirements concerning IATA recognized providers of financial securities on behalf of IATA Cargo Intermediaries and CASS Associates.

What is IATA code 772? Boeing 777-200 (772)

What is IATA resolution 302? IATA Resolution 302 determining which rules to apply in an interline journey, for each checked portion and defining the concept of the Most Significant Carrier (MSC). US Rule for travel originating in or with the destination to either USA (U.S. DOT Regulation 399.87) or Canada (CTA Order 2014-A-158).

What is the IATA Regulation 650? Primary receptacles must be packed in secondary packagings in such a way that, under normal conditions of transport, they cannot break, be punctured or leak their contents into the secondary packaging. Secondary packagings must be secured in outer packagings with suitable cushioning material.

What is the recommended practice 1708? Recommended Practice 1708 Facilitates the check-in of passengers on a flight, Members through the use of the Passenger Name List (PNL) and Additions and Deletions List (ADL).

What is the IATA delay 89? including Air Traffic Services, start-up and pushback, airport and/or runway closed due to obstruction or weather, industrial action, staff shortage, political unrest, noise abatement, night curfew, special flights.

What is IATA code 954? A: Airline code 954 is used by TASR to credit agents for the Service Fees they issue through the GDS in a given period.

What is resolution a 716 17 the imdg code? The International Maritime Dangerous Goods (IMDG) Code was adopted by IMO resolution A. 716(17) and published in

1965. Was recommended to governments for adoption or for use as the basis for

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national regulations in pursuance of obligations under SOLAS regulation VII/1.4 and MARPOL Annex III regulation 1(3).

What is the IATA requirement 82? The IATA CR 82 rule states that the crate must be constructed using wood, metal, synthetic materials or wire mesh. It says that the crate must not use plastic in any part and the door must be built using metal, reinforced wood or heavy wire grate.

What is the NDC IATA resolution? Resolution 787 additionally establishes certain goals associated with using the new technical standard, including capability to provide personalized pricing offers to consumers who shop for air transportation. These goals are called the “New Distribution Capability” (NDC).

What is CIF resolution? The Common Intermediate Format, CIF in short, has a resolution of 352 × 288 pixels for the luminance (Y) component and 176 × 144 pixels for the two chrominance components (Cr and Cb) of the video stream (see Fig.

What is RQ in IATA? "REPORTABLE QUANTITY". For a given substance, the minimum quantity that would adversely affect the environment significantly enough to warrant reporting. The requirement to report a spillage is indicated on the documentation and the package.

What is IATA Packing Instruction 650? any removal from a pallet or overpack for subsequent manual or mechanical handling. Packagings must be constructed. and closed so as to prevent any loss of contents that might be caused under normal conditions of transport, by vibration, or by changes in temperature, humidity or pressure.

What is IATA 6E? 6E, IATA code for IndiGo, an Indian airline.

What is the 7 digit IATA code? An IATA number (officially called the IATA Numeric Code) is basically a unique seven-digit code assigned to IATA-certified travel agencies that want to distribute air tickets and/or gain industry recognition.

What is the resolution of a CIF file?

What is the resolution 817 of the IATA? Resolution 817 – Financial Securities This resolution lays down rules and requirements concerning IATA recognized providers

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of financial securities on behalf of IATA Cargo Intermediaries and CASS Associates.

What is the resolution 780 form of interline traffic agreement passenger?

Resolution 780 stipulates the procedures which shall be used for the Interline carriage of passenger's baggage, where the passenger's journey on one ticket (including conjunction tickets) involves connecting transportation on two or more flights.

What is the recommended practice 1708?

Recommended Practice 1708 Facilitates the check-in of passengers on a flight, Members through the use of the Passenger Name List (PNL) and Additions and Deletions List (ADL).

Student Exploration: pH Analysis Answers - Activity A

Questions:

1. What is the pH of a solution with a $[H^+]$ concentration of 0.0001 M?
2. What is the pH of a solution with a $[H^+]$ concentration of 0.001 M?
3. What is the pH of a solution with a $[H^+]$ concentration of 0.01 M?
4. What is the pH of a solution with a $[H^+]$ concentration of 0.1 M?
5. What is the pH of a solution with a $[H^+]$ concentration of 1 M?

Answers:

Paragraph 1:

- The pH of a solution is a measure of its acidity or alkalinity. It is measured on a scale from 0 to 14, with 7 being neutral. Solutions with a pH below 7 are acidic, while those with a pH above 7 are alkaline (basic).
- The pH of a solution is directly related to its hydrogen ion concentration ($[H^+]$). The higher the $[H^+]$, the lower the pH.

Paragraph 2:

- To calculate the pH of a solution, we can use the following equation: $pH = -\log[H^+]$.
- Using this equation, we can calculate the pH of the solutions in question:

- For a solution with a $[H^+]$ concentration of 0.0001 M, $pH = -\log(0.0001) = 4$.
- For a solution with a $[H^+]$ concentration of 0.001 M, $pH = -\log(0.001) = 3$.

Paragraph 3:

- For a solution with a $[H^+]$ concentration of 0.01 M, $pH = -\log(0.01) = 2$.
- For a solution with a $[H^+]$ concentration of 0.1 M, $pH = -\log(0.1) = 1$.
- For a solution with a $[H^+]$ concentration of 1 M, $pH = -\log(1) = 0$.

Paragraph 4:

- These results show that as the $[H^+]$ concentration increases, the pH decreases. This is because a higher $[H^+]$ concentration means that there are more hydrogen ions present, which makes the solution more acidic.
- Conversely, a lower $[H^+]$ concentration means that there are fewer hydrogen ions present, which makes the solution less acidic.

Paragraph 5:

- It is important to note that pH is a logarithmic scale, which means that a small change in pH represents a large change in $[H^+]$. For example, a solution with a pH of 5 is 10 times more acidic than a solution with a pH of 6.
- Understanding pH is essential for many applications in chemistry and biology. It is used to control acidity in industrial processes, monitor environmental conditions, and study biological systems.

Schaum's Outline of German Vocabulary: A Comprehensive Guide

1. What is Schaum's Outline of German Vocabulary?

Schaum's Outline of German Vocabulary is a comprehensive study guide designed to help learners expand their German vocabulary. It features:

- Over 15,000 German words and phrases
- Organized into topical chapters for easy reference
- Examples and exercises to enhance learning and retention

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2. Who is Schaum's Outline of German Vocabulary suitable for?

This outline is suitable for:

- Students at all levels of German language learning
- Individuals preparing for standardized German exams (e.g., DSH, TestDaF)
- Business professionals or travelers who need a practical German vocabulary

3. How can Schaum's Outline of German Vocabulary benefit me?

By using this outline, learners can:

- Enhance their vocabulary in various contexts
- Practice using new words in sentences
- Improve their grammar and sentence structure
- Increase their fluency and confidence in German

4. How do I use Schaum's Outline of German Vocabulary effectively?

To maximize the benefits of this outline:

- Use it as a supplement to your regular language lessons.
- Study a chapter at a time, focusing on the words and phrases you need.
- Complete the exercises to reinforce your learning.
- Regularly review the material to retain the new vocabulary.

5. What are some sample questions and answers from Schaum's Outline of German Vocabulary?

Example Question: Translate the following English phrase into German: "I am going to the store."

Answer: Ich gehe zum Laden.

Example Question: Fill in the blank with the correct German word for "restaurant":

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Restaurant auf Deutsch: ____

Answer: Gasthaus

[iata resolution 788, student exploration ph analysis answers activity a, schaums outline of german vocabulary](#)

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