

2020 / 2021

# APPLE (SIRI) Expert System

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## What is Expert System?

**Expert System** is an interactive and reliable computer-based decision-making system which uses both facts and heuristics to solve complex decision-making problems. It is considered at the highest level of human intelligence and expertise. The purpose of an expert system is to solve the most complex issues in a specific domain.

The Expert System in AI can resolve many issues which generally would require a human expert. It is based on knowledge acquired from an expert. Artificial Intelligence and Expert Systems are capable of expressing and reasoning about some domain of knowledge. Expert systems were the predecessor of the current day artificial intelligence, deep learning and machine learning systems.

### Benefits of Expert Systems

- It improves the decision quality
- Cuts the expense of consulting experts for problem-solving
- It provides fast and efficient solutions to problems in a narrow area of specialization.
- It can gather scarce expertise and use it efficiently.
- Offers consistent answer for the repetitive problem
- Maintains a significant level of information
- Helps you to get fast and accurate answers
- A proper explanation of decision making
- Ability to solve complex and challenging issues
- Artificial Intelligence Expert Systems can steadily work without getting emotional, tensed or fatigued.

### **Limitations of the Expert System**

- Unable to make a creative response in an extraordinary situation
- Errors in the knowledge base can lead to wrong decision
- The maintenance cost of an expert system is too expensive
- Each problem is different therefore the solution from a human expert can also be different and more creative

### **Applications of Expert Systems**

Some popular Application of Expert System:

- Information management
- Hospitals and medical facilities
- Help desks management
- Employee performance evaluation
- Loan analysis
- Virus detection
- Useful for repair and maintenance projects
- Warehouse optimization
- Planning and scheduling
- The configuration of manufactured objects
- Financial decision-making Knowledge publishing
- Process monitoring and control
- Supervise the operation of the plant and controller
- Stock market trading
- Airline scheduling & cargo schedules



# **Siri** expert system



is a virtual assistant that is part of Apple Inc.'s iOS, iPadOS, watchOS, macOS, and tvOS operating systems! The assistant uses voice queries, gesture-based control, focus-tracking and a natural-language user interface to answer questions, make recommendations, and perform actions by delegating requests to a set of Internet services. The software adapts to users' individual language usages, searches, and preferences, with continuing use. Returned results are individualized.

Siri is a spin-off from a project originally developed by the SRI International Artificial Intelligence Center. Its speech recognition engine was provided by Nuance Communications, and Siri uses advanced machine learning technologies to function. Its original American, British, and Australian voice actors recorded their respective voices around 2005, unaware of recordings' eventual usage in Siri. The voice assistant was released as an app for iOS in February 2010, and it was acquired by Apple two months later. Siri was then integrated into iPhone 4S at its release in October 2011. At that time, the separate app was also removed from the iOS App Store. Siri has since become an integral part of Apple's products, having been adapted into other hardware devices over the years, including newer iPhone models, as well as iPad, iPod Touch, Mac, AirPods, Apple TV, and HomePod.

## Characteristics Of SIRI:

**Siri does more  
than ever.  
Even before you ask.**

# Calls and Texts

Siri lets you stay connected without lifting a finger.

Siri can make calls or send texts for you whether you are driving, have your hands full, or are simply on the go. It can even announce your messages on your AirPods. It also offers proactive suggestions — like texting someone that you're running late for a meeting — so you can stay in touch effortlessly.

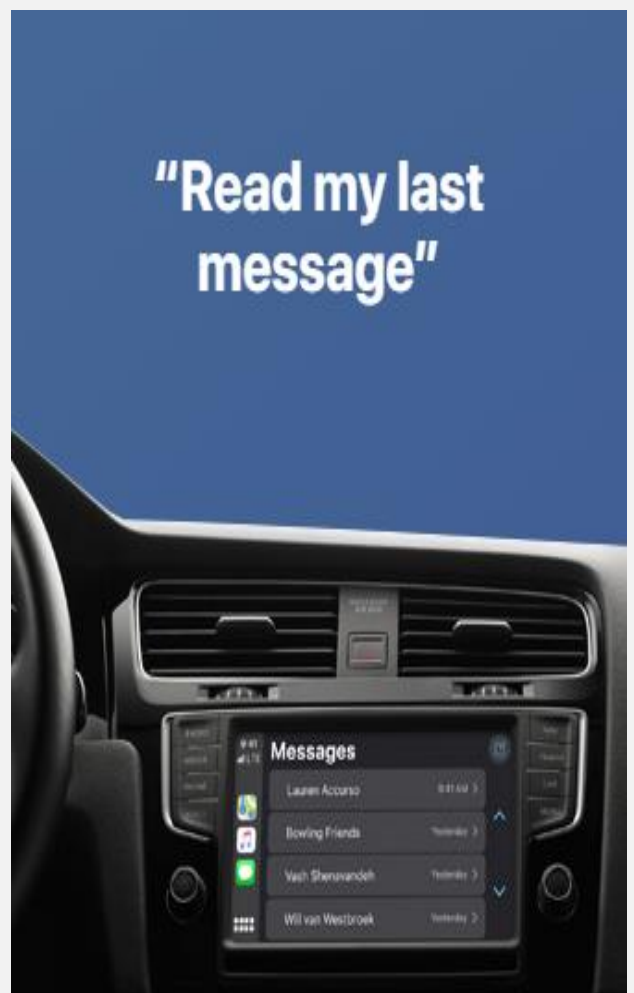


## "Read my last

Let Siri finish your sentences for you.



## "Read my last message"

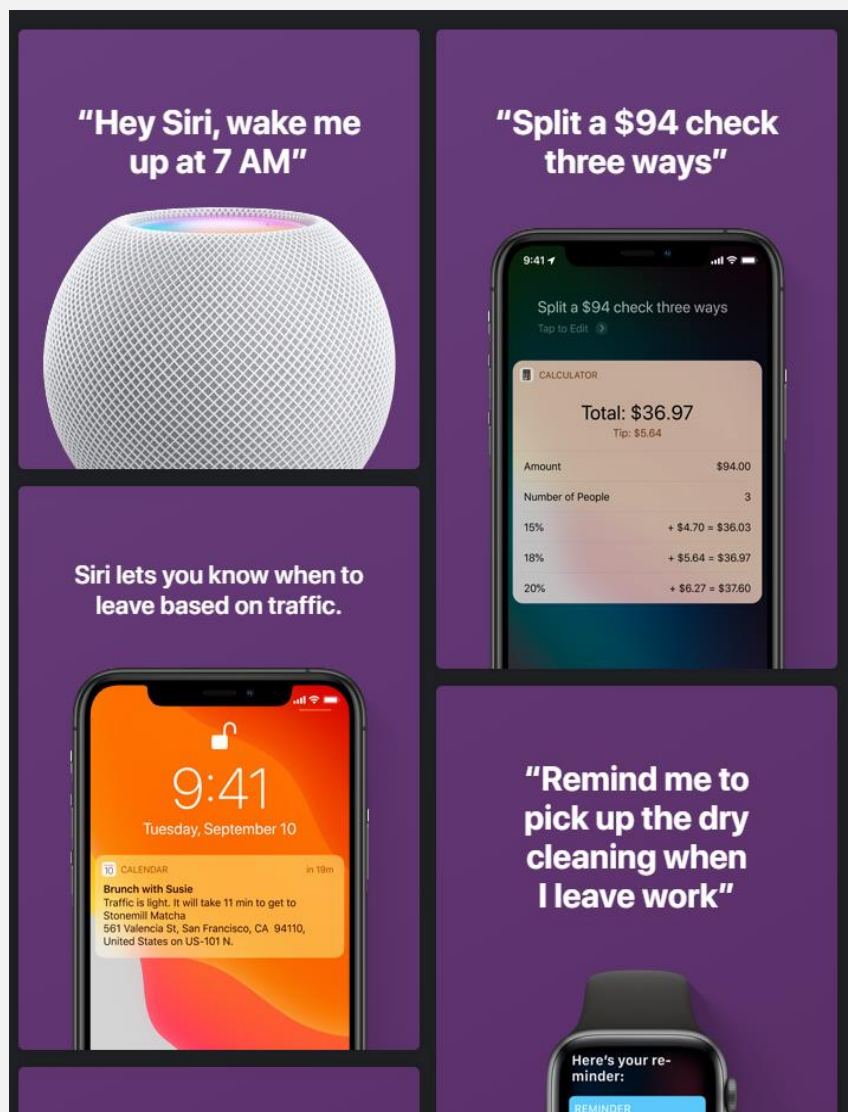




# Everyday Tasks

## Siri is a faster, easier way to do all kinds of useful things.

Set alarms, timers, and reminders. Get directions. Preview your calendar. Siri can do it all without your ever having to pick up a device. Based on your routine, Siri can even anticipate what you might need to help you breeze through your day. And with Siri Shortcuts, you have an even faster way to access apps.



# Music

Siri can find the song you want to hear.  
Just ask.

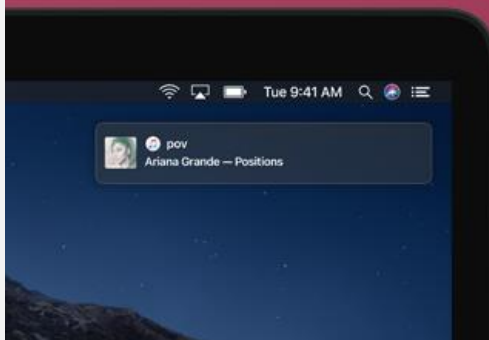
"Hey Siri, play me something I'd like"



"What song is this?"



"Play the latest Ariana Grande"



"Play me some '90s hip hop"





# Knowledge on the Go

## Siri has answers to all kinds of questions.

Quickly check facts, do calculations, or translate a phrase into another language. It's as simple as asking. Even when you don't ask, Siri works behind the scenes like a personal assistant. A great example is the Siri watch face, which serves up events, news, suggestions, and more right when you need them. And the new Siri voice uses advanced neural text-to-speech technology to sound incredibly natural, particularly when speaking longer phrases, like when reading the news or answering knowledge questions.

# More Powerful Tasks

## Siri can search, send, and book faster than you can.

It's amazing how quickly Siri can find photos of your kids, locate your parked car, get you a ride, or unearth what you're looking for from massive numbers of files. And the capabilities of Siri are optimized for each device, so you get the right kind of help, anywhere you are.

**Siri is always learning how to be even more helpful.**

**Siri keeps your information private and secure.**

**LIST OF SOURCES :**

[www.apple.com](http://www.apple.com)

[https://en.wikipedia.org/wiki/Apple Inc.](https://en.wikipedia.org/wiki/Apple_Inc.)

<https://www.guru99.com/expert-systems-with-applications.html#2>