

Alexa... What can you do?

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Alexa is a Digital Assistant. If you have access to an Amazon Echo or Amazon Echo Dot, ask Alexa “What can you do?” Alexa will tell you “A lot. You can tell me to turn up the volume, play music, create a To Do list, or look up a topic on Wikipedia.” Finally, it will suggest, “To find out more, check out the Things to Try page in the Alexa App.” (If you don’t have a device, befriend someone who has one and give it a try.) When you go to the Amazon Echo App and choose Things to Try, you will see quite an impressive list headed by “What’s new?” (new things Alexa can do), and Echo Show (an ad for the new Echo Show device). And 28 more topics, alphabetically arranged, starting with “Ask questions,” “Calling and messaging,” and “Check your calendar.” These are many of the things that you can try after you get over asking: “Alexa, what is the temperature,” “Alexa what time is it,” and “Alexa, tell me a joke.”



A Digital Assistant is a complex piece of software that can perform many tasks or services for the user. A Digital Assistant typically includes access to large databases and includes Artificial Intelligence (AI) capabilities. The Digital Assistant software runs on a Server, aided by the App running in the local device (smartphone, computer or dedicated device like the Echo). Remember Client-Server Technology? Digital assistants typically are voice controlled and provide verbal and/ or action results (like answering a question or turning a light on or off). Amazon’s Alexa is just one of the digital Assistants that are finding their way into regular use. Others that you may be familiar with are Google’s “Ok, Google,” Apple’s “Siri,” Microsoft’s “Cortana,” and Samsung’s “Bixby.”



(Siri has been around the longest and appears to have the largest user base, followed by Google and Alexa.) All of these can provide answers to basic time and weather questions, and even basic information lookup questions. Alexa is unique in that it is accessed by use of the Amazon Echo, Echo Dot, or Echo Show devices, not by a computer or smartphone (though you need a smartphone to setup many of its capabilities). Google’s Assistant, which is like Alexa, can be accessed by a smartphone (or tablet), and the Google Home device. The Google Home device is like the Amazon Echo device.

Going back to Alexa's list of "Things to Try," there are many things that can be very useful in your daily routine, such as Control of smart home devices, Control music, check your calendar, setting alarms, timers and reminders, Creating ToDo and Shopping lists. Some of these things are inherent and are part of Alexa, and some of these require additional support in the form of "skills." Skills are Amazon's term for additional support from a source other than Alexa or the Alexa App. To see a comprehensive list of these skills, just Google "Amazon Skills," and select "Amazon.com: Alexa Skills."

- Setting a timer is built into Alexa. All you have to do is say "Alexa, set a "Name of timer" for "number of minutes," for example: Alexa, set a "Cook the rice" timer for "15 minutes." In 15 minutes, Alexa will announce "Cook the rice timer" is done." Alexa will continue to announce it until you acknowledge it by saying "Alexa, Stop." (I know battery operated kitchen timers are cheap and reliable, but you typically can't set them by voice.)
- You can also set Alarms for specific times, like "Alexa, set an alarm for 7 in the morning." The alarm, when it occurs, is a pleasant sequence of gentle tones. Again, to stop the alarm tones, just say "Alexa, Stop."
- Another nice feature built into Alexa is the ability to create and maintain a ToDo list and a Shopping list. To add an item to the ToDo list just say, "Alexa Add "Item name" to the ToDo list, like "Alexa add Check the Oil" to the ToDo list. And similarly, to add something to the Shopping list, just say "Alexa, add "Food name" to the Shopping list, like "Alexa, add Butter to the Shopping list." After you make either of these requests, Alexa will respond and indicate that the item has been added to the requested list. Creating a list is all well and good, but the nice benefit here is that when you look at the Alexa App on your smartphone, your Shopping and ToDo lists are there and immediately updated. So, now your shopping list is available the next time you are at the food store, and your ToDo list is available when you get to Home Depot parking lot and wonder why you drove there.

Another feature I found useful was the ability to check and maintain my calendar. Alexa can be set up to use many calendars, including the Google Calendar. Once the calendar is set up, you can inquire about the activities on your calendar just by saying "Alexa, what is on my calendar for today," or "Alexa what is on my calendar for the next two days." (Alexa can report the activities on your calendar for today, tomorrow, or even four days from now, but will not report activities that happened in the past.) You can even add items to your calendar just by saying "Alexa add "Appointment" to my calendar," like "Alexa, Add "Dentist next Tuesday at 10 in the morning" to my calendar." Alexa will respond that the appointment has been added for the desired date and time. And just as you would expect, when you look at your calendar, on your smartphone or computer, you will see the new appointment. And of course, you can delete items using Alexa. And, you still have complete control over the calendar with your computer or smartphone.

Home automation is another area where Alexa can be very useful. Home automation can take the form of controlling lights, locks, thermostats, and a security system. To accomplish these types of tasks, an appropriate Alexa compatible device and a “skill” for that device will have to be set up. But, once these things are in place, Alexa (as well as your smartphone) can control those devices. I set up a tp-link, Alexa compatible, LED light and obtained the tp-link skill, and once set up I was able to control the light just by saying “Alexa turn on (or off) the living room lamp”. (Very cool, sure beats the old X-10 control system.) Maybe an Amazon Echo or a Google Home can help you with some of your daily activities.