

Cloud Computing

Cloud computing is Internet-based development and use of computer technology. In concept, it is a paradigm shift where details are abstracted from the users who no longer need knowledge of, expertise in, or control over the technology infrastructure "in the cloud" that supports them. Cloud computing describes a new supplement, consumption and delivery model for IT services based on Internet, and it typically involves the provision of dynamically scalable and often virtualized resources as a service over the Internet.

MCF Tech understands the term cloud is used as a metaphor for the Internet, based on the cloud drawing used to depict the Internet in computer network diagrams as an abstraction of the underlying infrastructure it represents. Typical cloud computing providers deliver common business applications online which are accessed from a web browser, while the software and data are stored on servers.



These applications are broadly divided into the following categories: Software as a Service (SaaS), Utility Computing, Web Services, Platform as a Service (PaaS), Managed Service Providers (MSP), Service Commerce, and Internet Integration.

Data Portability

Data portability is the ability for people to reuse their data across interoperable applications - the ability for people to be able to control their identity, media and other forms of personal data. Data portability enables a borderless experience, where people can move easily between network services, reusing data they provide while controlling their privacy and respecting the privacy of others.

For the user

With data portability, MCF Tech helps you bring your identity, friends, conversations, files and histories with you, without having to manually add them to each new service. Each of the services you use can draw on this information relevant to the context. As your experiences accumulate and you add or change data, this information will update on other sites and services if you permit it, without having to revisit others to re-enter it.

For the Service Provider

With cross-system data access, interoperability, and portability, MCF Tech helps businesses bring their brand identities, colleagues, friends, conversations, files, and histories with them to your service, cutting down on the need for form-filling which can drive people away (ultimately costing you conversions). With minimal effort on the part of new customers, MCF Tech can tailor services to suit them. When your customers browse networked services and accumulate experiences, this information can update on your service, if people permit it. Your relationship remains up-to-date and you can adapt your services in response, even when they don't visit. With mutual control and mutual benefit, your relationships remain relevant, encouraging continued usage.

Data portability is a new approach, where it is easier to use and deliver services. This frictionless movement through the network of services fosters stronger relationships between people and services providers and helps build a healthy networked ecosystem.

Programming

Computer programming (often shortened to programming or coding) is the process of writing, testing, debugging/troubleshooting, and maintaining the source code of computer programs. MCF Tech writes this source code in a customized programming language. The code may be a modification of an existing source or something completely new. The purpose is to create a program that exhibits a certain desired behavior (customization). Our team of experts is knowledgeable in application domain, specialized algorithms and formal logic which helps us create the best solutions for your needs.

Within software engineering, programming (the implementation) is regarded as one phase in a software development process. There is an ongoing debate on the extent to which the writing of programs is an art, a craft or an engineering discipline. MCF Tech believes that good programming is considered to be the measured application of all three, with the goal of producing an efficient and evolvable software solution.

Application Design

The American Heritage Dictionary defines Design as: "To conceive or fashion in the mind; invent," and "To formulate a plan."

Application Design is defined as "the application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical processes, and systems." Both are forms of problem-solving with a defined distinction being the application of "scientific and mathematical principles."