

A person in a vibrant, multi-colored costume with intricate patterns is captured in mid-dance. The costume includes a large, ornate headpiece. The background features a blue wall with large, white, stylized Chinese characters. To the right, there's a white surface with several small, framed photographs or certificates displayed.

An advertisement for a car auction website. The top half features large, bold Korean text: "자동차 청차종 매입·판매" (Car Auction - Purchase and Sale). Below this is a smaller section with the text "수입차 청차종 매입" (Import Car Auction Purchase) and a large orange circular icon containing a gold coin. The bottom half contains several lines of smaller Korean text, likely describing the service or terms.

| Topic | Definition | Key Features | Use Cases | Implementation |
|------------------|---|---|--|---|
| Cloud Computing | A computing model where resources are delivered over a network. | Scalability, On-demand, Pay-as-you-go. | Cloud services, Big data processing, DevOps. | Amazon AWS, Microsoft Azure, Google Cloud Platform. |
| Machine Learning | An application of AI that enables systems to learn from data. | Autonomous learning, Data-driven decisions. | Recommendation engines, Image recognition, Natural language processing. | TensorFlow, PyTorch, Scikit-learn. |
| Blockchain | A decentralized digital ledger that records transactions across many computers in such a way that the registered transactions cannot be altered without changing all subsequent blocks. | Distributed ledger, Transparency, Immutability. | Crypto currencies, Supply chain management, Voting systems. | Ethereum, Hyperledger, Corda. |
| Big Data | The handling of large data sets that may be too large or complex to process using traditional database management tools. | Volume, Velocity, Variety. | Data warehousing, Predictive analytics, Real-time monitoring. | Hadoop, Apache Spark, Flink. |
| Cloud Migration | The process of moving workloads and data from on-premises infrastructure to the cloud. | Cost reduction, Improved scalability, Enhanced security. | Legacy system modernization, Cloud-native application development. | Ansible, Terraform, CloudFormation. |
| Cloud Native | Architectural styles and practices designed for cloud environments. | Microservices, Containerization, Serverless. | Cloud-native applications, Container orchestration, Function as a service. | Kubernetes, Docker, AWS Lambda. |
| Cloud Security | The protection of data and assets stored in the cloud. | Encryption, Multi-factor authentication, Identity management. | Cloud provider security, Data breach prevention, Compliance. | AWS IAM, Azure Active Directory, Google Cloud IAM. |
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