



چکاوک

دیتاسنتر

CHAKAVAK

DATA CENTER





Chakavak is a private and public cloud service provider as well as a data center service provider in Alborz province, which uses its extensive facilities in the field of data center, including server storage space with high physical security and international standards, powerful communication infrastructure. As well as specialized forces, it has provided a suitable opportunity for organizations, companies and start-up businesses to serve in the cyber space.

Seven days a week and twenty-four hours a day, Chakavak technical experts are responsive to our dear customers

Chakavak data center is the first audited data center in the data center audit system in Alborz province

In line with the respect for our dear customers and the need to create a suitable data center infrastructure for our beloved country, Chakavak Data Center has established the first audited standard data center based on the data center audit system in Alborz province and is proud to comply with the principles and rules of network security. And physical security brings you the comfort of imagination in maintaining your servers.



Chakavak Features



Chakavak is the first native cloud infrastructure and data center in Alborz province, with exclusive connectivity through MPLS networks, as well as the technical support of expert forces and the ability to produce native software systems, ready to cooperate and provide services to dear customers



DCAS standard certificate from Iran Information Technology Organization



Establishment certificate of knowledge-based companies



Physical protection and information security



Power supply system



24x7 coverage



Lifetime Updates



Advanced Monitoring System



Technical Support



Cloud Infrastructure



Cooling System



Multilevel storage



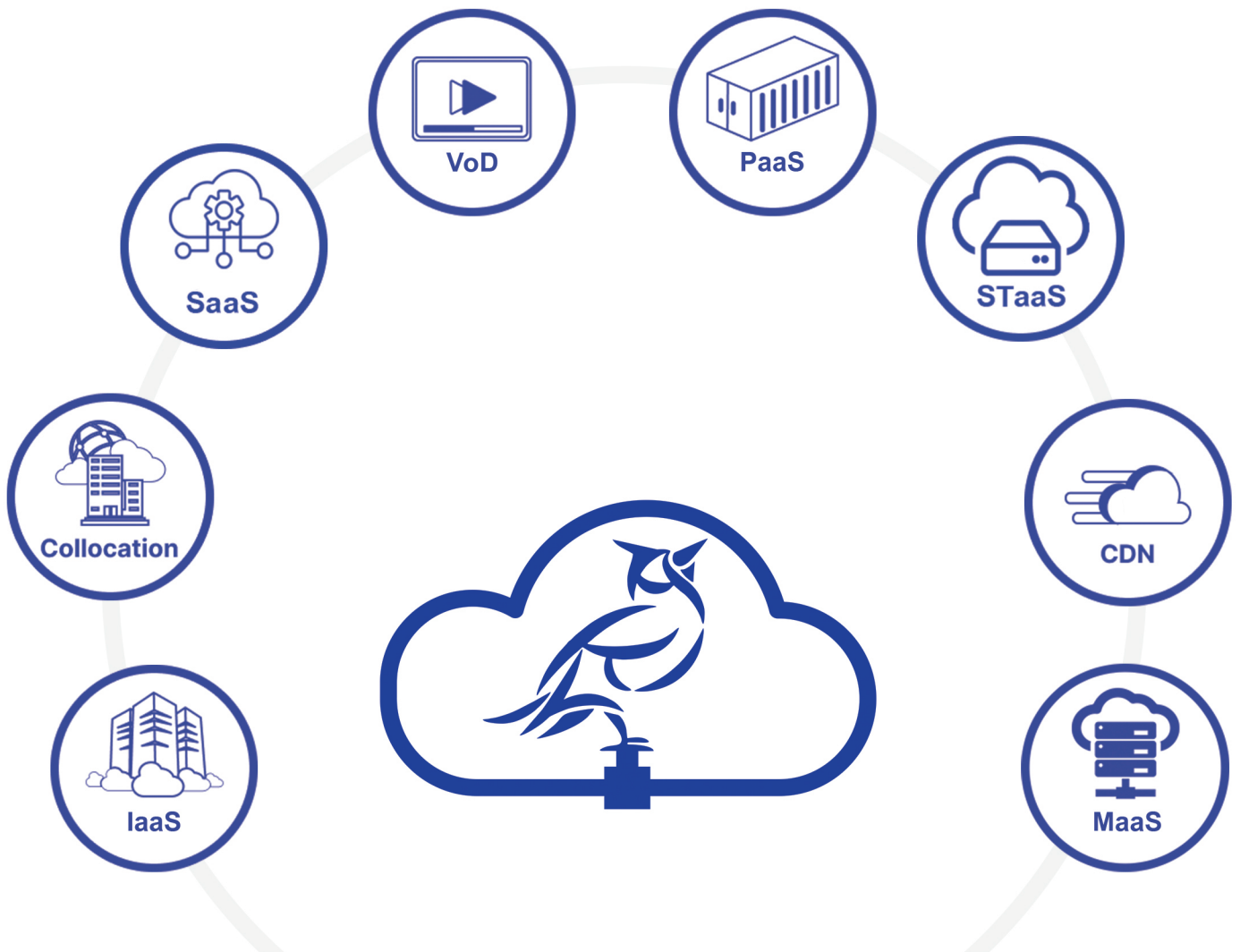
Containing electromagnetic shield (Faraday cage)



Native platforms



Chakavak Products



CDN

(Content Delivery Network) CDN or content distribution system is a platform that minimizes the delay in loading the content of web pages. This happens by reducing the distance between the server and the user. As a result, it enables all users to receive web content with appropriate quality and without delay. Without a CDN, servers respond to all user requests, which leads to heavy traffic and server unavailability. CDN helps servers located in different geographic locations to respond to their closest users. In fact, the site information is called from the server that is closer to the user's location. This system provides the ability to hide the IP address of users and provides the possibility of acceleration and security on requests. DNS records are organized and managed on this platform and server users can easily provide their services to customers.

CDN service features

- 1 Cloud DNS Server
- 2 Free SSL
- 3 IP hiding
- 4 Increasing performance by reducing the size of js and css files
- 5 Powerful caching system
- 6 Convert images to webp extension
- 7 Activation of security headers
- 8 Activate the firewall
- 9 Ability to set firewall rules
- 10 Reports on audience behavior and passing traffic



Chakavak's CDN is your cloud security solution

By hiding the IP address of the main server and also providing Firewall and WAF service for its domains, Chakavak CDN service has achieved a secure presence in the cyberspace for its users. This service keeps all security logs and access to the service free of charge for up to one month and makes it available to users and provides the ability to analyze and act against application-level attacks for your services

This service has the ability to activate security headers and manage errors, and it can greatly help improve the performance of websites by caching front-end site information and high-speed access to the back-end site.

These features can solve many problems that may not be considered during programming. Also, the load balancer capability of the CDN service for systems with high users significantly increases the availability of the service

Chakavak's CDN service is accessible for public and private Chakavak IPs, and machines built with private IPs are also able to provide service to the outside

The presence of different pop sites in different parts of the country and the world and the existence of a special relationship between the sites has created a special distinction from other similar services.

Chakavak is a tool beyond a simple CDN

IaaS

Cloud infrastructure

Infrastructure as a Service is a type of virtual cloud server that provides the required resources (such as processor, memory, storage, network). according to the requests of its customers in less than 1 minute using cloud computing. It provides users with the required operating system. Cloud servers are attractive to all businesses because as the business grows, the infrastructure application can be easily expanded and paid based on user usage. In this service, users focus only on the development of their application and systems, and entrust the configuration and preparation of their servers to Chakavak with the cloud computing method.



Features of IaaS

- 1 Build a server in less than 5 minutes
- 2 The possibility of building a server in different data centers
- 3 Ability to change operating system and size
- 4 Doing all the things related to turning on and off the server by the panel
- 5 Report actions on the cloud server
- 6 The console communicates with the server through the
- 7 panel
- 8 Ability to stop server activity
- 9 Ability to dynamically set and define firewall rules
- 10 The possibility of manual and automatic server backup

Excellent features of Chakavak's cloud infrastructure

Chakavak's cloud infrastructure allows you to create your own private network. Assign public and private IPs to machines and establish communication between them. Machines with private IPs are active in your internal network and are a safe platform for storing your sensitive data. Servers can be backed up at any time using a backup service and can themselves be considered a resource for other machines.

For the well-being of our dear users, Chakavak has set up Linux and Docker repositories within the network, and even machines with private IPs can use these repositories.

Chakavak beyond an orchestration

- 1 You can easily create a disk in Chakavak's cloud infrastructure. You can connect your disk to different machines or share them between several machines at the same time.
- 2 Opening or closing ports, turning off or turning on the server, and all your needs will be at your disposal through the Chakavak platform, and with the possibility of constant HA access on the machines, you will offer your service to your users with ease.
- 3 Chakavak brings you an amazing cloud-based virtualization experience, and we're proud to provide you with more than just OpenStack and ESXI panels.



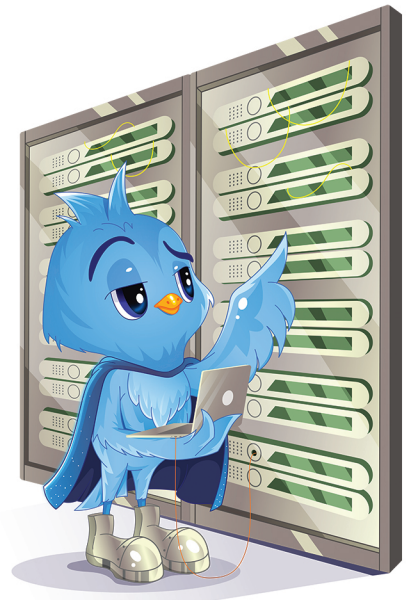
MaaS

Dedicated cloud server

Metal as a Service is for users who want to own a complete hardware server and use its resources exclusively for their organization. By providing quality servers in different generations and brands, Chakavak Data Center is ready to provide its quality servers to respected users according to the needs of organizations and businesses. Chakavak also has the possibility of providing hardware maintenance services if needed.

Dedicated server features

- 1 Use of dedicated resources
- 2 Ability to connect a private bandwidth link
- 3 The ability to create a private network with an unlimited number of private IPs
- 4 Ability to connect through Chakavak network
- 5 Possibility of receiving managed service
- 6 Lack of connection with any other system and software
- 7 Ability to use dedicated hardware firewall
- 8 The possibility of implementing various HA architectures
- 9 Access on and off the server by the panel
- 10 Connection possibilities through panel and dedicated VPN



Colocation

Hosting equipment

Colocation service is a type of service that can be provided that the equipment, space, bandwidth, etc. you need to host servers are provided by Chakavak data center. In other words, it can be said that co-location means that you provide a server yourself and place it in Chakavak's data center. In this case, instead of renting a server or host, you own your own server and you use Chakavak data center services as much as your hardware needs. Chakavak Data Center takes responsibility for providing space, electricity, internet and maintenance services for your server. As one of the audited standard data centers in the heart of Alborz province, this center is proud to host the most important asset of your organization (which is your servers) in exemplary security and with the support of expert and experienced technical force.

Equipment hosting features

- 1 24-hours monitoring
- 2 Three separate power paths
- 3 Dedicated bandwidth capabilities
- 4 10G port
- 5 Electromagnetic insulation
- 6 Strengthening electronic warfare
- 7 Standard earth wells
- 8 Stabilizers and UPS
- 9 Diesel generators with a large fuel source

STaaS

STorage as a Service or Chakavak Drive is one of Chakavak's cloud services that allows users to store their data and files in the cloud and easily share them with their servers. Using Chakavak Drive, you can easily access your files and documents from any device and edit and download them. One of the good features of this cloud storage is its ability to be used on private servers and Zero Internet Chakavak, which enables access to your files on these secure servers.

Features of Chakavak Drive

- 1 Ability to connect to mobile
- 2 Ability to use FTP
- 3 Connect to zero internet servers
- 4 Volume upgrade
- 5 Permanent access to files
- 6 Access security



SaaS

Cloud software

Software as a service is one of the Chakavak services that provides various software services to customers in the form of a cloud service. For example, if you want to have a website or a financial software, you can easily and with a few simple clicks receive it in a few moments and pay it in daily, monthly or yearly periods. These services can be provided to users in a short or long term and be used.

PaaS

Cloud platform

Platform as a Service is a type of cloud computing service that provides a platform for the development of applications by the cloud. High flexibility, favorable speed and less problems with the infrastructure encourage developers to use the cloud platform. In this architecture, the underlying infrastructure is kept away from the eyes of developers and other users. Similar to IaaS, in this service, the fee is paid according to the user's usage and up to the application layer is provided to the user. Chakavak is proud to provide its cloud platform service to small businesses as one of social responsibility with exceptional conditions.

VoD

Cloud video service

VoD, or Video on Demand, stands for "Video on Demand", which offers a new and different way to display video content. In methods other than VoD, viewers have to download the entire video and then watch it. But in the VoD method, the video is pre-recorded and stored in a library, and is provided to the user as a stream. In fact, the video can be played at any time and in any place according to the user's wishes. This system is used to hold online meetings, display CCTV images, and publish digital content websites. Chakavak video service gives you access to this technology.

Chakavak Solutions



Private Cloud

Private Cloud

The private cloud service is a model of Chakavak solutions in which the entire cloud infrastructure, including the compute controller and storage, is assigned to a user or organization, and the hardware used is completely exclusive and can host the entire services or recovery structure after a crisis of company.

In this solution, all matters related to cloud setup, maintenance, installation and support will be done by the experienced Chakavak team, and the organization can safely entrust the development and expansion processes of its system to the Chakavak team.

Private cloud solutions offer organizations more control and security than other cloud services, although they require a much higher level of IT expertise than using the public cloud. The private cloud architecture is, in fact, the integration of Chakavak hardware resources into a single resource that is exclusively provided to the user. Organizations increase the efficiency and optimality of their private cloud infrastructure through the virtualization

Private cloud features

- 1 Organizational access
- 2 Use of all hardware resources
- 3 Ability to change operating system and size
- 4 Higher security
- 5 Ability to deploy in the client's organization
- 6 Dedicated maintenance training
- 7 Native enterprise software



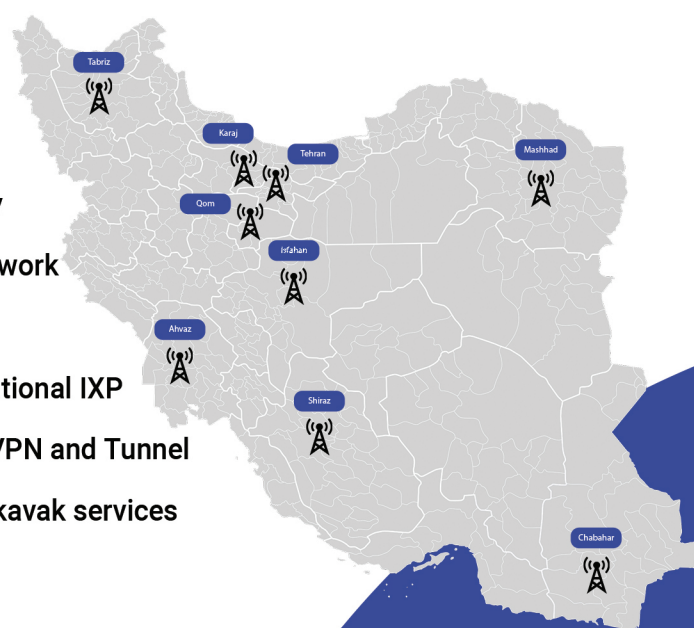
Chakavak's Exclusive Network

Chakavak network is a secure and dedicated platform that provides the services available in the data center in a special and free form to its customers. This network without connecting to the Internet provides the possibility to receive servers or cloud services without the need for the Internet. Connection to the Chakavak network is available through point-to-point radios or Chakavak wireless umbrellas or special Chakavak SIM cards, and those who connect to this network in any way can use the services available in the Chakavak network in any condition. Use free of charge. In this system, the cost of radio on the customer side is borne by the customer, but no monthly or annual fees are charged to subscribers for bandwidth.



Chakavak Network Features

- 1 More than 300 serviceable mast sites in the whole country
- 2 Ability to connect from the MPLS telecommunications network
- 3 Ability to encrypt data at the source
- 4 The ability to connect to Chakavak network through the national IXP
- 5 The possibility of connecting to Chakavak network using VPN and Tunnel
- 6 The possibility of point-to-point secure connection to Chakavak services
- 7 Synchronization with MikroTik and Kerio



MSaaS Managed Service



Managed services refer to services that all installation, setup, management and support processes are fully entrusted to Chakavak and minimizes the cost and concern of expert human resources for you.

In this organizational solution, Chakavak answers your most basic and complex challenges with its cloud technologies and provides you with the possibility of continuous reporting. In this way, you can safely leave the installation process to the DevSecOps process to Chakavak, and our experts will take over your systems and services with the power of leadership. This type of service will be more attractive for organizations.

Chakavak Managed Service Features

- 1 HA solutions at different levels
- 2 Data backup and recovery solutions
- 3 Ways to automate processes
- 4 Software and service installation
- 5 Solutions based on Orchestration
- 6 Deployment of resident or dedicated force
- 7 Solutions for monitoring and monitoring services
- 8 Solutions for creating and maintaining a private cloud
- 9 Solutions for managing, maintaining and monitoring logs
- 10 Security and hardening solutions at different levels



DRaaS crisis recovery solution

Crises and disasters can cause different types of damages with different severities depending on the conditions. A short-term service interruption can lead to serious damage to customers and the loss of sensitive information at the moment. A hurricane or tornado can wipe out an entire manufacturing facility, data center, or office. A successful cyber attack can disrupt the country for months.

Additionally, many businesses are required to establish plans for disaster recovery, service continuity, and data protection to meet compliance regulations. This is especially important for organizations operating in the financial, health, manufacturing and government sectors. Lack of disaster recovery procedures can lead to legal penalties, so understanding how to meet disaster recovery standards is critical.

Chakavak experts are constantly trying to consult and design post-crisis architecture by using technologies and technical infrastructure as well as technical and executive power. Chakavak designs and implements hot site, warm site and cold site solutions for the service of medium and large organizations and brings peace of mind to the managers and experts of the organization. It is possible to connect to Chakavak from any route and from anywhere, and you can always count on Chakavaks flexibility.



BaaS cloud backup service

The main purpose of backup is to ensure that sensitive and important information and data are stored in a safe place and we can access them very quickly if a problem arises.

Protecting sensitive information emphasizes the goals of data security, information lifecycle management, and computer virus prevention, which can be implemented using the right software.

As a provider of cloud solutions, Chakavak intends to provide space and suitable backup services for organizations based on their needs and architecture. By examining and analyzing the conditions of the organization, Chakavak consultants provide the necessary prerequisites for the insurance of the organization's data. Based on the desired risk percentage of the organization, this service can bring up to 99% security of data storage for the organization.



24*7 Support



Seven days a week and twenty-four hours a day, Chakavak technical experts are responsive to our dear customers.

- ① 24-hour ticketing system
- ② Support through Bale and Telegram messengers
- ③ Call centers with the ability to answer a hundred simultaneous calls
- ④ Communication with experts via direct mobile phone
- ⑤ Sending automatic system messages via SMS and email
- ⑥ Responding to users' emails
- ⑦ Direct support: +989966170460, +989104145075, +989105902118, +989966170461

What does our technical team do?

The ever-watchful eyes of Chakavak in the control center monitor all the components related to the network, infrastructure, security, software, etc., and in case of any problem, they take the necessary measures according to standard protocols. The control, observation and monitoring center team monitors the health of your services at all times of the day and night.



By creating different layers of cyber security and physical security, Chakavak's security team keeps Chakavak's user safe from any danger, and in case of any problem, they act as a quick response team to possible damage.

Chakavak's technical infrastructure, including fiber network, mast, radios, data centers, etc., has been specially developed and implemented using world standards.

Chakavak's infrastructure experts respond to all issues related to this field with complete knowledge of facilities and infrastructure requirements.





Chakavak developers are trying to produce a native and safe service with very high quality for customers.

All Chakavak software and services are designed and produced in a completely exclusive way with Chakavak technologies.

Our experts in Chakavak datacenters monitor, evaluate and maintain the deployed services full-time and bring peace of mind to users and dear customers.



Chakavak experts have been able to adapt cloud platforms and provide them to the audience by considering the needs of the audience. Chakavak's cloud ring will be one of the strongest infrastructures for your business with all kinds of cloud services.

Collaborators, Stakeholders and Cloud Partners



البرز
شرکت پردازش هوشمند
Pardazesh Hooshmand Alborz



منطقه ویژه اقتصادی و فرودگاه بین‌المللی پیام
Payan Special Economic Zone & International Airport



شرکت مخابرات ایران
(سای نام)

ترازپردازان طاهّا
Taraz Pardazan Taha



گروه شرکتی کهکشان
KAHKESHAN GROUP OF COMPANIES



RAYAN
MAHAM



PARDAZESH
HOOSHMAND



ارتباط ارزش‌ها



PARDAZESH
HOOSHMAND



ATRIN



کاربلد

رستک
هونامیک ارتباط



بیت‌نگام
توسعه ارتباطات



گروه اقتصاد طاهّا



ENGINEERING

SAMIN PAYDAR ALBORZ
نمین پایدار البرز
استادان

Chakavak Licenses and Credits







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