

# Avaya Site Administration Commands Printable PDF

**avaya site administration commands** are essential tools for managing and maintaining Avaya communication systems efficiently. Whether you are a network administrator, a technical support specialist, or an IT professional responsible for Avaya telephony infrastructure, mastering these commands enables you to troubleshoot, configure, and optimize your system effectively. Proper understanding and utilization of Avaya site administration commands can significantly enhance system uptime, improve call handling, and streamline overall operations. This comprehensive guide explores the most important Avaya site administration commands, their usage, and best practices to ensure your Avaya system runs smoothly.

## Understanding Avaya Site Administration Commands

Avaya systems, such as Avaya Aura and Avaya IP Office, rely heavily on command-line interface (CLI) commands for configuration and troubleshooting. These commands allow administrators to perform tasks such as system status checks, configuration modifications, user management, and network diagnostics.

## Why Are Avaya Site Administration Commands Important?

- **Efficient Troubleshooting:** Quickly identify and resolve system issues.
- **System Configuration:** Fine-tune system settings to match organizational needs.
- **Monitoring:** Keep track of system health and performance metrics.
- **Automation:** Script repetitive tasks to save time and reduce errors.

## Commonly Used Avaya Site Administration Commands

Below are some of the most frequently used commands across various Avaya platforms.

### 1. System Status and Diagnostics Commands

These commands help assess the current status of your Avaya system.

- **display system-parameters:** Displays system-wide parameters such as network settings, hardware status, and licensing information.

- **status**: Provides an overview of system components, including servers, communication managers, and gateways.
- **ping**: Tests network connectivity to a specified IP address or device.
- **tracert**: Traces the route packets take to reach a destination, useful for diagnosing network issues.
- **display alarms**: Shows current alarms and alerts that may indicate problems.

## 2. System Configuration Commands

Use these commands to modify or update system settings.

- **add user**: Creates a new user in the system with specified permissions.
- **change system-parameters**: Updates global system parameters such as time zone, date/time, or network settings.
- **remove user**: Deletes a user account from the system.
- **update system-parameters**: Changes existing system configurations.

## 3. User and Extension Management

Managing user extensions and permissions is crucial for operational efficiency.

- **add extension**: Adds a new user extension to the system.
- **remove extension**: Deletes an extension.
- **display extension**: Shows details of specific extensions.
- **change extension**: Modifies extension settings or permissions.

## 4. Call Control and Routing Commands

These commands help manage call flow and routing.

- **display station**: Displays information about a specific station or extension.
- **change station**: Modifies station parameters such as call forwarding or voicemail settings.
- **add route-pattern**: Defines routing patterns for call handling.
- **remove route-pattern**: Deletes existing routing patterns.

## 5. Network and IP Configuration Commands

Networking is fundamental to Avaya systems; these commands assist in network setup and

troubleshooting.

- **display ip-parameters:** Shows IP configuration details.
- **change ip-parameters:** Updates IP address, subnet mask, or default gateway.
- **ping:** Network connectivity testing.
- **tracert:** Network route tracing.

## Advanced Avaya Site Administration Commands

Beyond basic commands, advanced commands allow for more in-depth system management.

### 1. Backup and Restore Commands

Ensuring data integrity and quick recovery is vital.

- **backup system:** Creates a backup of system configurations and data.
- **restore system:** Restores data from a backup file.

### 2. License Management Commands

Proper licensing is essential for system functionality.

- **display license:** Shows current license details.
- **add license:** Adds new licenses to the system.

### 3. Firmware and Software Update Commands

Keeping your system updated ensures security and performance.

- **load software:** Initiates software or firmware updates.
- **display software:** Displays current software version details.

## Best Practices for Using Avaya Site Administration Commands

To maximize the effectiveness and safety of system management, follow these best practices:

### 1. Always Backup Before Making Changes

- Use backup commands to create system snapshots before configuration changes.
- Store backups securely in multiple locations.

## 2. Use Test Environments

- When possible, test commands and configurations in a non-production environment.

## 3. Document Changes

- Keep detailed records of commands executed and settings modified for future reference.

## 4. Keep Firmware and Software Up-to-Date

- Regularly check and apply updates to prevent vulnerabilities and improve system stability.

## 5. Limit Access to CLI

- Restrict command-line access to authorized personnel to prevent accidental or malicious changes.

## Conclusion

Mastering Avaya site administration commands is fundamental for maintaining a robust, secure, and efficient communication system. These commands empower administrators to perform a wide range of tasks?from basic status checks to complex configuration management and troubleshooting. Proper usage of these commands, combined with best practices such as regular backups and updates, ensures optimal system performance and minimizes downtime. Whether you're managing a small office or a large enterprise network, understanding and leveraging Avaya site administration commands are key to successful system administration.

## Additional Resources

- Avaya official documentation and user guides
- Online forums and community support
- Training courses for Avaya system administration
- Professional consultation for complex deployments

By staying informed and proficient in Avaya site administration commands, you can ensure your communication infrastructure remains reliable, scalable, and aligned with your organizational needs.

## Avaya Site Administration Commands: A Comprehensive Guide for Network and System Administrators

Managing an Avaya communication system efficiently requires a solid understanding of the Avaya site administration commands. These commands form the backbone of configuring, troubleshooting, and maintaining your Avaya environment, whether you're working with Avaya Aura, IP Office, or other platform variants. Mastery of these commands enables administrators to quickly diagnose issues, optimize performance, and ensure seamless communication across enterprise sites.

In this article, we will explore the essential Avaya site administration commands, providing a detailed breakdown suitable for both novice administrators and seasoned professionals. From basic system status checks to advanced configuration commands, this guide aims to serve as a definitive resource for managing Avaya sites effectively.

### Understanding the Role of Site Administration Commands in Avaya Systems

Before diving into specific commands, it's important to understand why site administration commands are vital. These commands allow administrators to:

- Monitor system health and status
- Configure system parameters and network settings
- Troubleshoot connectivity issues
- Manage user extensions and call routing
- Perform backups and system resets

Having a firm grasp of these commands ensures that the communication infrastructure remains robust, secure, and adaptable to changing organizational needs.

### Types of Avaya Site Administration Commands

Avaya systems utilize a variety of command sets, often accessed via command-line interfaces (CLI), management consoles, or through specialized tools. The primary command categories include:

- System Status Commands
- Configuration Commands
- Network and Connectivity Commands

- Troubleshooting Commands
- Monitoring and Logging Commands

We will cover each of these categories in detail, providing examples and context for their use.

## Basic System Status Commands

- Displaying System Overview
  - ``status``: Provides a high-level overview of the system's operational status, including active calls, system uptime, and resource utilization.
  - ``display system brief``: Shows a summary of key system information such as hardware status, software versions, and license details.
  - ``display version``: Reveals the software version running on the system, critical for compatibility checks.
- Checking Call and Line Status
  - ``display station``: Displays information about individual stations (extensions), including their current status, registration, and associated lines.
  - ``display trunk``: Shows real-time status of trunks (lines), including active calls, trunk states, and errors.
  - ``display call``: Provides details of current calls in progress, useful for troubleshooting call routing issues.

## Configuration Commands

- Managing Stations and Extensions
  - ``add station``: Creates a new station (extension) within the system, specifying parameters such as extension number, user name, and access level.
  - ``change station``: Modifies existing station parameters, such as redirecting calls or updating user permissions.
  - ``remove station``: Deletes a station from the system.

- Configuring Call Routing

- ``add route``: Defines new call routing rules, including patterns for inbound and outbound calls.
- ``change route``: Edits existing routing rules to adapt to new business requirements.
- ``remove route``: Deletes obsolete or incorrect routing configurations.

- System Initialization and Backup

- ``save configuration``: Saves current configurations to persistent storage, ensuring changes are retained after reboot.
- ``initialize``: Resets the system to factory defaults or a pre-defined configuration, useful during deployment or troubleshooting.
- ``backup system``: Creates a backup of the current system configuration for recovery purposes.

## Network and Connectivity Commands

- Managing Network Interfaces

- ``display ip-interface``: Shows the status of network interfaces, including IP addresses and connection status.
- ``change ip-interface``: Configures or modifies network interface parameters such as IP address, subnet mask, or gateway.

- Verifying Connectivity

- ``ping``: Tests connectivity between the system and another network device or server.
- ``traceroute``: Traces the path packets take to reach a destination, helping identify network bottlenecks or issues.

- Configuring VLANs and Subnets

- ``add vlan``: Sets up VLANs to segment network traffic, enhancing security and performance.

- ``change vlan``: Modifies VLAN settings, such as assigning ports or changing VLAN IDs.
- ``remove vlan``: Deletes VLAN configurations when they are no longer needed.

## Troubleshooting and Diagnostic Commands

### - System Log and Event Checks

- ``display logs``: Shows recent logs and event entries, vital for diagnosing issues.
- ``clear logs``: Clears log files, typically performed after troubleshooting to start fresh.

### - Network Troubleshooting

- ``ping`` / ``traceroute``: As mentioned earlier, used to verify network connectivity.
- ``display network``: Provides detailed network interface statistics and errors.

### - System Reset and Reboot

- ``restart``: Reboots the system gracefully, often necessary after configuration changes.
- ``initialize system``: Performs a complete reset to default settings, used when troubleshooting complex issues.

## Monitoring and Logging Commands

### - System Monitoring

- ``display cpu``: Shows CPU usage, helping identify resource bottlenecks.
- ``display memory``: Reports on memory utilization, ensuring the system has sufficient resources.

### - Real-Time Call Monitoring

- ``monitor``: Initiates real-time call monitoring, useful for supervisors or troubleshooting call flows.

- ``stop monitor``: Ends the call monitoring session.

- Log and Trace Management

- ``trace enable``: Activates detailed tracing for specific modules or system components, aiding in detailed troubleshooting.

- ``trace disable``: Turns off tracing to conserve system resources.

## Best Practices for Using Avaya Site Administration Commands

While commands provide powerful control over your Avaya environment, they should be used judiciously. Here are some best practices:

- Always back up configurations before making major changes.
- Use test environments when possible to validate commands or configurations.
- Document changes made via commands for audit and troubleshooting purposes.
- Restrict command access to authorized personnel to prevent accidental disruptions.
- Regularly monitor logs and system status reports to preempt issues.

## Final Thoughts

Mastering Avaya site administration commands is essential for any system administrator responsible for maintaining a resilient, efficient communication infrastructure. These commands serve as the tools for configuration, monitoring, troubleshooting, and optimizing your Avaya systems. With a thorough understanding of their functions and proper application, administrators can ensure their communication networks operate smoothly, securely, and adaptively.

Remember, while command-line management offers granular control, it also requires careful handling. Always follow best practices, stay updated with the latest Avaya documentation, and continuously hone your command-line skills to keep your system running at peak performance.

**Question** What are the essential Avaya Site Administration commands for managing user accounts? Key commands include 'add user', 'delete user', 'modify user', and 'list users' which help in creating, updating, removing, and viewing user account details within the Avaya system. How can I restart the Avaya Site Administration service using command-line commands? You can restart the service by executing commands like 'service avaya-sysadmin restart' or using scripts specific to your system environment, ensuring minimal disruption and proper service restart. What command is used to back up the Avaya Site Administration database? Typically, the command 'dbbackup' or using the

backup options within the administration GUI exports the database. For CLI, consult your specific system documentation for exact commands. How do I check the status of the Avaya Site Administration server via command line? Use commands such as 'service avaya-sysadmin status' or 'ps -ef | grep avaya' to verify if the Avaya Site Administration processes are running correctly. Are there specific commands for configuring system parameters in Avaya Site Administration? Yes, configuration commands include 'set system parameters', 'configure network settings', and other CLI commands specific to your version, allowing administrators to modify system settings directly.

**Related keywords:** Avaya, site administration, commands, Avaya communication manager, CLI commands, configuration, system management, telephony, network setup, Avaya protocols

## AVAYA SERVICES CREDENTIAL GUIDE AVAYA LEARNING

**avaya services credential guide avaya learning** serves as an essential resource for professionals seeking to enhance their expertise in Avaya solutions and advance their careers through recognized certifications. Whether you're a seasoned IT specialist or a new entrant in the communications industry, understanding the structure, benefits, and pathways available through Avaya Learning is vital for maximizing your potential and staying competitive in today's fast-evolving technological landscape.

### Understanding Avaya Services Credential Guide avaya learning

Avaya Learning offers a comprehensive platform designed to provide training, certifications, and resources tailored to Avaya products and services. The credential guide acts as a roadmap, helping individuals and organizations navigate the various certifications, courses, and skill levels necessary to master Avaya technology.

### What is Avaya Learning?

Avaya Learning is an online education platform that delivers instructor-led training, self-paced courses, and certification programs. It aims to equip IT professionals, network engineers, and support staff with the knowledge needed to implement, manage, and troubleshoot Avaya solutions effectively.

### Why is the Credential Guide Important?

The credential guide provides clarity on:

- The different certification paths available
- The prerequisites for each level
- The skills and knowledge covered
- How certifications can boost career prospects
- The structure of training programs aligned with industry standards

## Types of Avaya Certifications and Their Significance

Avaya certifications are designed to validate expertise in various domains, from basic product knowledge to advanced network implementation. They help professionals demonstrate their skills to employers and clients, often leading to better job opportunities and higher salaries.

### Entry-Level Certifications

These are suitable for beginners or those new to Avaya technology.

- **Avaya Certified Support Specialist (ACSS)**: Focuses on foundational support skills and basic product knowledge.
- **Avaya Certified Implementation Specialist (ACIS)**: Emphasizes initial setup and configuration tasks.

### Professional-Level Certifications

Designed for experienced professionals who want to deepen their technical expertise.

- **Avaya Certified Solutions Specialist (ACSS)**: Covers specific solutions such as VoIP, contact centers, and unified communications.
- **Avaya Certified Network Routing Specialist (ACNRS)**: Focuses on network routing and switching within Avaya environments.

### Expert-Level Certifications

These are for advanced practitioners involved in designing and deploying complex Avaya systems.

- **Avaya Certified Design Specialist (ACDS)**: Validates skills in designing scalable and efficient solutions.
- **Avaya Certified Implementation Expert (ACIE)**: Recognizes mastery in deploying comprehensive Avaya solutions.

## Specialty Certifications

Targeted at niche areas such as security, cloud, or specific product lines.

## Pathways to Certification: How to Get Started with Avaya Learning

Embarking on your certification journey involves understanding prerequisites, choosing the right courses, and preparing effectively.

### Step 1: Assess Your Current Skills and Goals

Identify your current knowledge level and career objectives to select appropriate certifications.

### Step 2: Explore Available Courses

Avaya Learning offers a catalog of courses aligned with each certification. These include:

- Instructor-led training sessions
- Self-paced e-learning modules
- Virtual labs for hands-on practice

### Step 3: Complete Required Training

Engage in the necessary coursework, which may include practical labs, assessments, and review sessions.

### Step 4: Prepare for Certification Exams

Utilize study guides, practice exams, and peer discussions to reinforce your knowledge.

### Step 5: Register and Pass the Certification Exam

Certification exams are administered online or at testing centers. Successful completion grants you the relevant credential.

## Benefits of Earning Avaya Certifications

Investing in Avaya certifications yields numerous advantages:

- **Enhanced Skills and Knowledge:** Gain in-depth understanding of Avaya solutions and best practices.
- **Career Advancement:** Certifications are recognized industry-wide, opening doors to higher roles and responsibilities.
- **Professional Credibility:** Demonstrate your expertise to employers, clients, and peers.
- **Access to Exclusive Resources:** Certified professionals often receive priority access to advanced training, updates, and support.
- **Networking Opportunities:** Join a community of certified experts for knowledge sharing and professional growth.

## Maintaining and Advancing Your Certifications

Certifications are valid for a specific period, typically two to three years, after which recertification is required.

### Recertification Processes

- Complete updated training modules
- Pass recertification exams
- Engage in continuous learning through webinars and workshops

### Staying Current with Avaya Learning

- Subscribe to newsletters
- Participate in webinars and community forums
- Attend industry conferences and events

## Additional Resources and Tips for Success

To maximize your learning experience with Avaya:

- **Utilize Official Study Guides:** Access official materials provided through Avaya Learning.
- **Participate in Online Forums and Communities:** Engage with peers for insights and troubleshooting tips.
- **Practice Hands-On Labs:** Gain practical experience by working on real or simulated systems.
- **Schedule Regular Study Sessions:** Consistency enhances retention and confidence.
- **Stay Updated with New Certifications and Courses:** The technology landscape evolves rapidly; continuous education is key.

## Conclusion

The avaya services credential guide avaya learning is an invaluable tool for professionals aiming to build a robust skill set in Avaya technologies. Through structured certifications, comprehensive training programs, and ongoing professional development, individuals can position themselves as experts in the field of enterprise communications. Whether you're just starting your journey or seeking to elevate your existing expertise, leveraging Avaya Learning's resources and certifications can significantly impact your career trajectory, opening doors to new opportunities and industry recognition. Embrace continuous learning with Avaya, and stay ahead in the dynamic world of communication technology.

### Avaya Services Credential Guide Avaya Learning: A Comprehensive Review for Professionals

In today's dynamic communication landscape, organizations rely heavily on robust, reliable, and feature-rich communication solutions. Avaya, a leader in enterprise communication systems, offers a comprehensive suite of services and training programs designed to empower professionals and organizations alike. Central to these offerings is the Avaya Services Credential Guide, a pivotal resource within Avaya Learning that aims to certify and elevate the skills of communication professionals. This article provides an in-depth examination of the Avaya Services Credential Guide, exploring its features, benefits, structure, and how it fits into the broader ecosystem of Avaya Learning.

## Understanding Avaya Learning and Its Significance

Before delving into the specifics of the credential guide, it's essential to understand what Avaya Learning encompasses and why it is a cornerstone for professionals working with Avaya technologies.

### What is Avaya Learning?

Avaya Learning is the official training and certification platform dedicated to educating users, administrators, and partners on Avaya's vast portfolio of communication solutions. It offers a comprehensive range of resources, including:

- Instructor-led training sessions
- Self-paced online courses
- Certification programs
- Hands-on labs and simulations
- Resources for troubleshooting and deployment

The primary goal of Avaya Learning is to ensure that users can maximize the value of Avaya solutions through knowledge, skills, and certifications that are recognized industry-wide.

## **The Importance of Certification in Avaya Ecosystem**

Certification plays a crucial role in establishing expertise, credibility, and career advancement. For organizations, certified professionals mean reduced downtime, more efficient deployment, and optimized use of Avaya systems. For individuals, certifications open doors to advanced roles and recognition within the industry.

## **The Avaya Services Credential Guide: An Overview**

The Avaya Services Credential Guide functions as a structured roadmap for professionals seeking to validate and enhance their expertise in deploying, managing, and supporting Avaya services. It provides detailed pathways, prerequisites, and guidance on achieving various levels of certification.

### **Purpose and Objectives**

- To offer a clear, organized framework for certification pathways
- To align training with real-world service delivery needs
- To provide resources and best practices for technical proficiency
- To support career development within the Avaya ecosystem

### **Audience and Beneficiaries**

- System engineers and architects
- Support and maintenance technicians
- Deployment specialists
- Managed service providers
- Enterprise IT professionals integrating Avaya solutions

## **Structure of the Avaya Services Credential Guide**

The credential guide is meticulously organized to cater to different expertise levels and specialization areas. Broadly, it categorizes certifications into foundational, intermediate, and advanced levels, each with specific focus areas.

### **Core Certification Pathways**

- Foundational Certifications

- Purpose: Establish baseline knowledge
- Examples: Avaya Certified Support Specialist, Avaya Certified Associate

- Technical Specialist Certifications

- Purpose: Deepen technical skills for specific services
- Examples: Avaya Contact Center Solutions, Avaya IP Office Support

- Expert and Architect Certifications

- Purpose: Recognize mastery and strategic expertise
- Examples: Avaya Certified Solution Architect

## Subject Matter Focus Areas

- Unified Communications (UC) and Collaboration
- Contact Center Solutions
- Cloud and Virtualization
- Security and Compliance
- Network Infrastructure Support
- Deployment and Integration Services

## Key Components of the Credential Guide

The guide provides detailed information on each certification, including prerequisites, exam details, learning paths, and recommended training resources.

## Prerequisites and Recommended Experience

Most certifications specify prerequisites such as:

- Prior certifications

- Hands-on experience with specific Avaya products
- Knowledge of networking fundamentals
- Understanding of customer service workflows

This ensures candidates are adequately prepared for the certification assessments.

## **Exam Details and Preparation**

Each certification exam is designed to evaluate practical skills and theoretical knowledge. The guide offers:

- Exam objectives and domains
- Sample questions and practice tests
- Recommended courses and training modules
- Study guides and resource links

## **Training Resources and Learning Paths**

Avaya Learning provides tailored courses aligned with each certification, including:

- Instructor-led courses
- Online self-paced modules
- Virtual labs for hands-on practice
- Community forums and support

This multi-modal approach ensures flexible learning suited to different professional schedules and learning styles.

## **Benefits of Following the Credential Guide**

Adhering to the structured pathway outlined in the Avaya Services Credential Guide offers numerous advantages.

## **Enhanced Technical Proficiency**

The guide ensures professionals develop comprehensive knowledge of Avaya services, leading to:

- Efficient deployment

- Effective troubleshooting
- Optimized system performance

## Career Advancement

Certifications validate skills and knowledge, making professionals more competitive for roles such as:

- Systems Engineer
- Support Specialist
- Solution Architect
- Technical Consultant

## Organizational Benefits

Organizations benefit from having certified staff who can:

- Reduce operational risks
- Accelerate deployment cycles
- Improve customer satisfaction
- Maintain compliance with industry standards

## Industry Recognition and Credibility

Certified professionals and organizations gain recognition within the industry, opening doors to new business opportunities and partnerships.

## Integrating the Credential Guide into Your Learning Strategy

For individuals and organizations aiming to maximize their investment in Avaya technologies, integrating the credential guide into a broader learning and development strategy is essential.

## Steps to Effective Implementation

- Assess Current Skills and Needs: Evaluate existing expertise against the certifications outlined in the guide.
- Define Career or Business Goals: Determine which certifications align with your objectives.
- Create a Learning Plan: Use the guide to map out necessary courses, training sessions, and

hands-on practice.

- Leverage Resources: Utilize Avaya Learning's courses, labs, and community forums.
- Schedule Certification Exams: Prepare and register for exams based on readiness.
- Maintain and Update Skills: Keep certifications current with ongoing training and new certifications as technology evolves.

## Best Practices for Success

- Engage in continuous learning
- Participate in community discussions
- Seek mentorship or coaching
- Apply learned skills in real-world projects
- Stay updated with product releases and industry trends

## Conclusion: The Value of the Avaya Services Credential Guide

The Avaya Services Credential Guide is more than just a curriculum; it's a strategic tool designed to empower professionals and organizations to excel in deploying and supporting Avaya solutions. Its structured approach, comprehensive resources, and industry recognition make it an indispensable resource for anyone committed to mastering Avaya services.

By following the guide, professionals can build confidence, demonstrate expertise, and contribute to their organization's success. Organizations, in turn, benefit from a skilled workforce capable of delivering high-quality communication solutions that drive efficiency, innovation, and customer satisfaction.

In the rapidly evolving landscape of enterprise communications, staying certified and knowledgeable through resources like the Avaya Learning Credential Guide ensures you remain at the forefront of technology and industry standards. Whether you're just starting or aiming for advanced mastery, this guide is your pathway to professional excellence in Avaya services.

Empower your career and organization? explore the Avaya Services Credential Guide today and take the next step toward technical mastery and industry recognition.

**Question** What is the purpose of the Avaya Services Credential Guide in Avaya Learning? The Avaya Services Credential Guide provides comprehensive instructions and resources to help professionals prepare for and obtain Avaya certifications, ensuring they have the necessary skills to deploy and support Avaya solutions effectively. **Answer** How can I access the Avaya Services Credential Guide on Avaya Learning? You can access the Avaya Services Credential Guide through the Avaya Learning portal by logging into your account, navigating to the certification

resources section, and downloading the guide associated with your desired credential. What topics are covered in the Avaya Services Credential Guide? The guide covers a range of topics including certification prerequisites, exam objectives, study tips, recommended training courses, and practical skills needed for deploying and supporting Avaya services. Is the Avaya Services Credential Guide updated regularly? Yes, Avaya updates the Services Credential Guide periodically to reflect the latest product features, certification requirements, and best practices, ensuring learners have current and relevant information. How does the Avaya Services Credential Guide assist in exam preparation? The guide provides detailed exam objectives, sample questions, study recommendations, and links to relevant training modules, helping candidates prepare effectively and increase their chances of certification success.

**Related keywords:** Avaya training, Avaya certification, Avaya support, Avaya login, Avaya user guide, Avaya customer portal, Avaya technical resources, Avaya learning portal, Avaya credentials, Avaya knowledge base

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