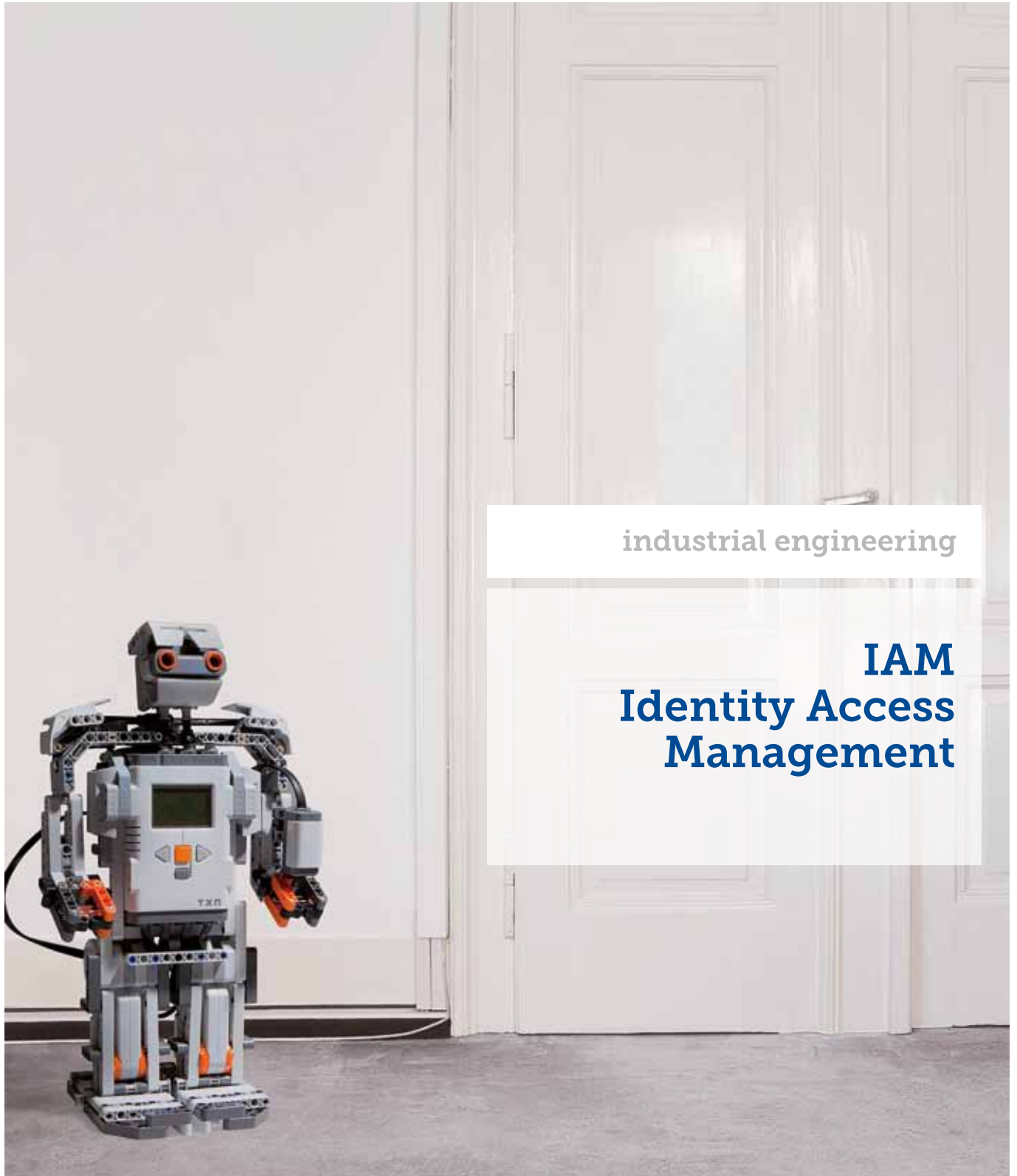




THINK SAFE THINK ICS



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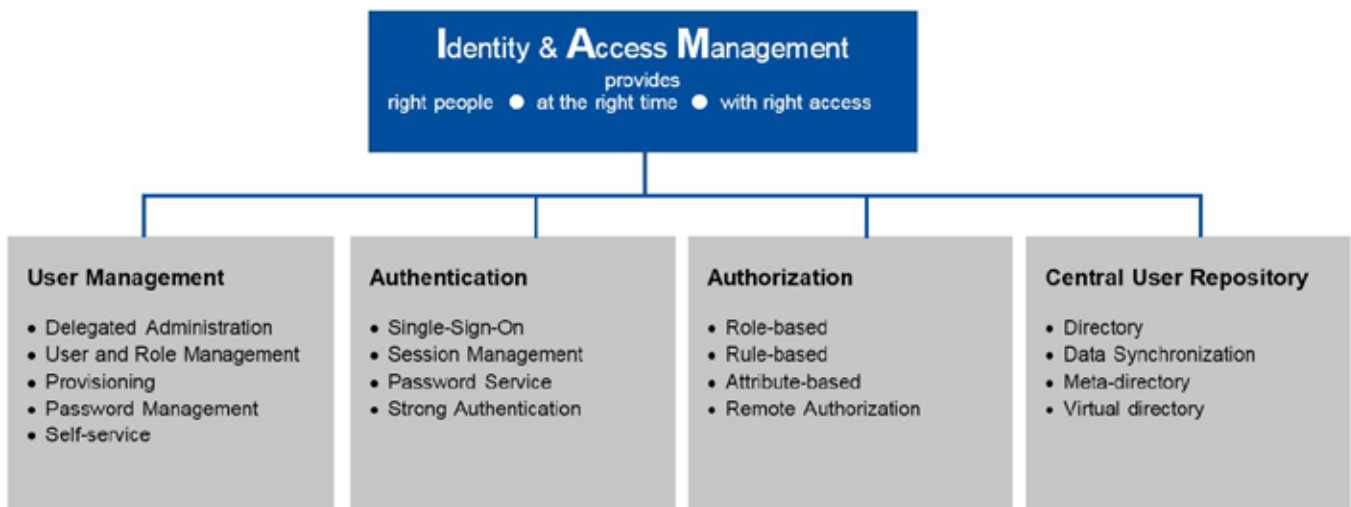
IAM
Identity Access
Management

industrial engineering

IAM = Identity Access Management

In an increasingly complex systems it is always required to take care of important features like User Accounts, User Authorization and User Identity.

A simple and a clear administration of User Identities, User Roles, User Authorization and the introduction of Processes is required to reach the highest possible safety standard and to reduce the costs.



IAM Customer BENEFITS

- Through Single-Sign-On Helpdesk queries will be minimized
- The authentication mechanism will be simplified through the introduction of processes
- Administrative overhead will be minimized
- Increased Security and Clarity
- Drastic rise in the User acceptance and handling of the system will be more easier

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IAM - ICS Benefits

„Our IT experts ensure that the right people,
at the right time, be provided with the right rights.“

- Analysis of your existing system environment and recommendation for system handling
- Planning, design and realization of an IAM solution tailored to your requirements
- “Seamless” integration in your IT Infrastructure
- “Industrial Proof” through 50 years of market experience

Since 50 years ICS AG has been successfully working in the Areas of Automation, Logistics, Supply Chain Integration and Safety in Industrial Sectors.

Our experience gained from Aerospace, Transportation, Automotive and Industrial Engineering in **Safety & Security** has helped us to introduce new approaches in Functional and IT Security from Cyber Physical Systems in context of “Industry 4.0”.

At the same time, Confidentiality, Integrity and Availability must be ensured in modern systems and in particular, the networking of machines, controls and sensors must be secured.

The safe plant controls and control systems used in this context “Secure Systems Control” not only requires secure software architectures, but also must be implemented in a standard-compliant process.

Identity Access Management (IAM) plays a very important role in transmitting Personal data directly, consistently and reliably so that system access can be made possible.

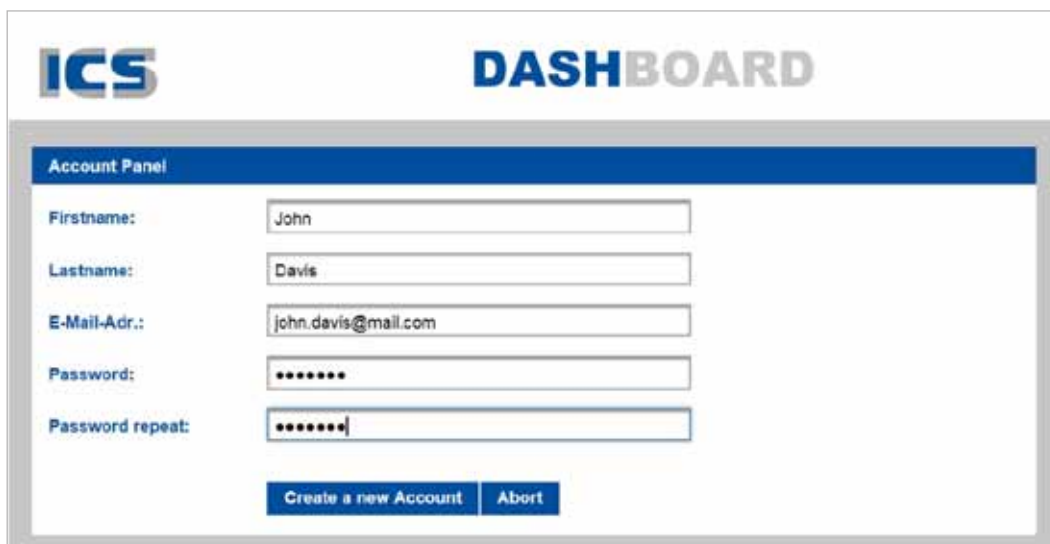
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IAM - Your Advantages

„The introduction of an identity and access management requires one Basic planning and analysis of business processes and employee structures, to make access management efficient and secure.“

Your Benefits by implementing IAM:

- Creation of a basis for actual User identities, roles and rights in all connected systems
 - Simplifying management of all User accounts and permissions in your Organization
 - Minimizing Security loopholes
 - Increased transparency and traceability within the framework for allocation of User rights
 - Reduction of administrative overhead and expenses
 - Minimizing the User Helpdesk Tickets/Queries by introducing User Self Services
- Password reset
- Increasing security by introducing PKI (Public Key Infrastructure) or a 2-factor authentication (2FA)

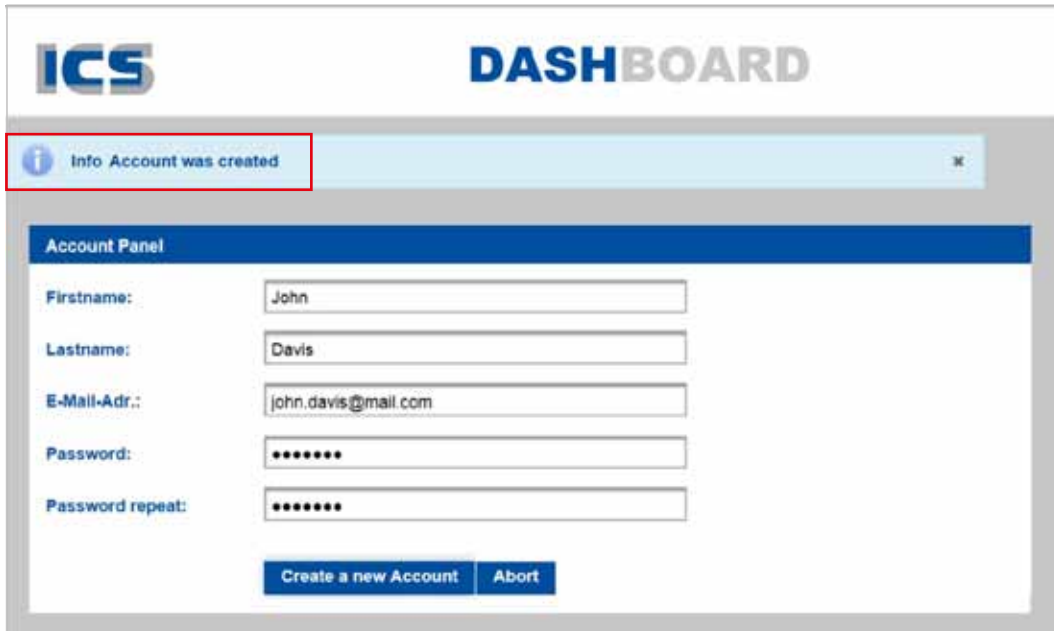


The screenshot shows the 'Account Panel' registration form on the ICS Dashboard. The form includes the following fields and buttons:

- Firstname: John
- Lastname: Davis
- E-Mail-Adr.: john.davis@mail.com
- Password: [masked with 7 dots]
- Password repeat: [masked with 7 dots]
- Buttons: 'Create a new Account' and 'Abort'

Registration – Login to the system using new Account

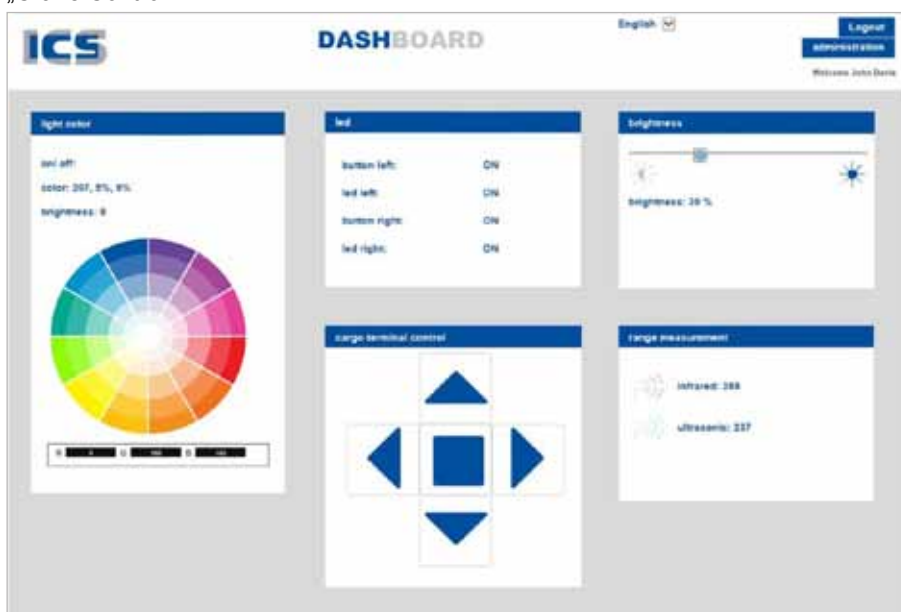
A **uniform appearance (Corporate Design)** increases system acceptance. According to User requirements country specific versions can be switched over to overcome **language barriers**.



Information/notification

Choice Of Languages

The advantage of Multilanguage support is offered by our Demonstrator „Crane Control“.



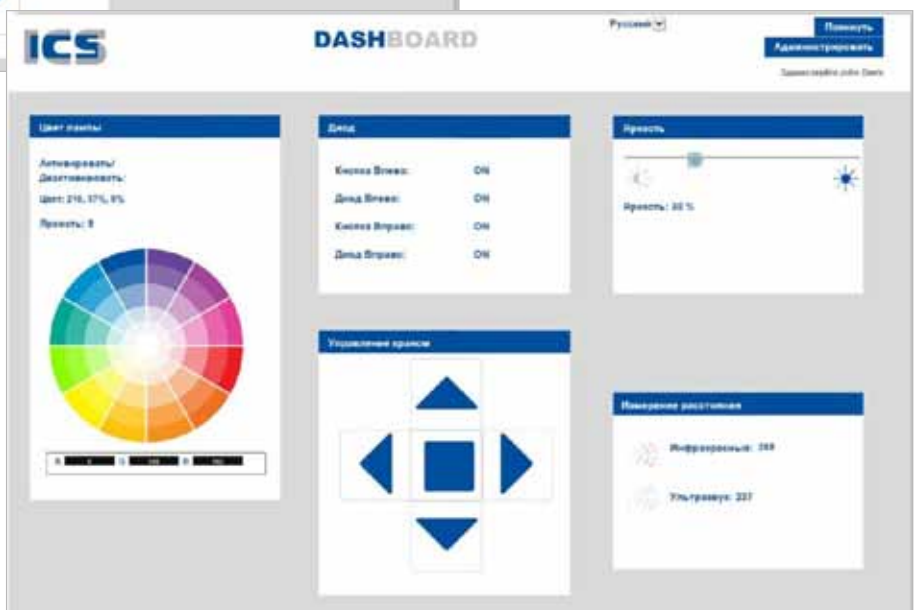
Example: ICS Crane Control – Dashboard in English...

The Dashboard of our Demonstrator “Crane Control” covers two important issues. On one hand there is a very quick and uncomplicated change between different languages and on the other hand the multilingual nature of the operating menu can be used to counteract security concerns, e.g., ensuring Confidentiality, integrity and availability.

A further positive effect: the uniform design of the user interface allows the operator to quickly find menu even in a different language.



...Turkish...



...or Russian.

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Security

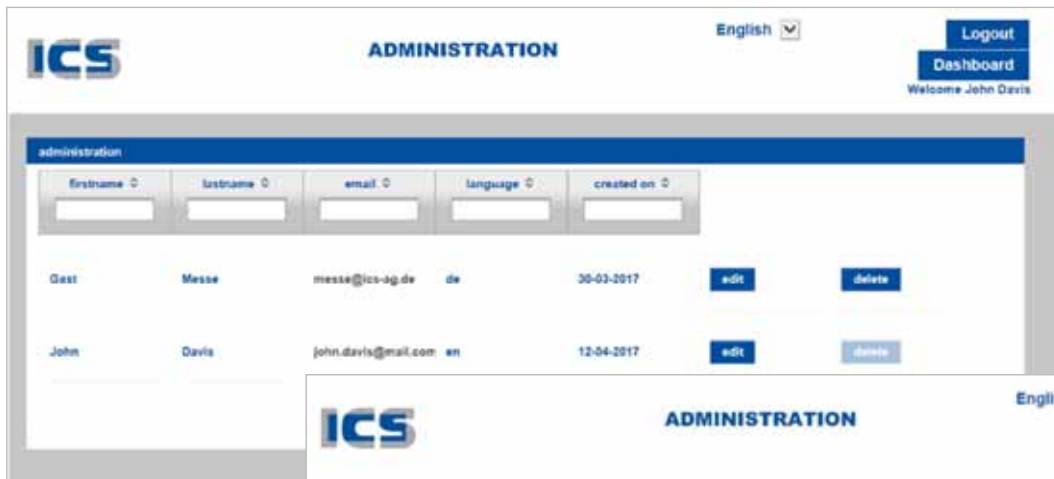
„Through web applications, which do not conform to the company Application procedures, security loopholes often arise.“

IAM minimizes administrative overhead and increases the security for the administration of User Authorization. The overhead for Entry, Exit and change of Roles are actually least considered if User identities in several systems are de-centrally managed. The danger from multiple identities cannot be dealt with manually and involves risk of outdated Permissions and thus endangers the consistency and security.

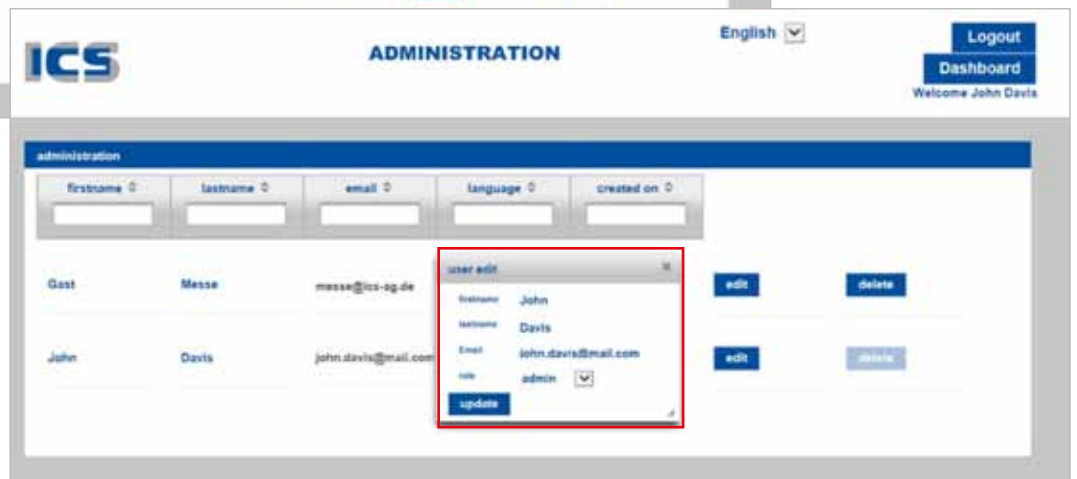
Advantages:

In future, if there are many different applications you can manage **all user authorization centrally**.

We support you with our experience in minimizing the integration efforts in this area.



User administration



User authorization

About ICS AG

We are a medium-sized, family-owned IT consulting and engineering - company. Since 1966, we develop intelligent solutions for safety-critical environments. Our service comprises the entire product life cycle from conception to approval of a system.

With 50 years of experience in the IT industry, the ICS AG is one of the renowned Consulting and System and Software providers in the Stuttgart area and beyond.

Are you responsible for a component with special safety features? You want or need to reach a documentation requiring safety certification in your system to be developed?

In all respects, you are in good hands with our experts from the Business Unit Industrial Engineering.



Kontakt

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