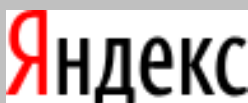


# IT System Access Management by OMNITRACKER for Yandex.Money



Yandex.Money

**Industry:**  
Finance

**Systems:**  
Every day, the Yandex.Money systems add more than 8,000 new e-payment accounts and process more than 80,000 payments for goods and services.



## Conclusion

*“Our requirements of the system resulted in highly complex application logic. It was specially important that this internal complexity was coupled with ease of use and also allowed further development and integration with other processes. Our partners from OMNIWAY completed this unusual task on acceptable terms and conditions. The implemented solution seamlessly fits into the daily life of our company.”*

Oleg Postelnikov, CIO of Yandex.Money

## The Customer

Yandex.Company is the leading Internet company in Russia, operating the most popular search engine. Its subsidiary Yandex.Money ([www.money.yandex.ru](http://www.money.yandex.ru)) provides the largest e-commerce payment system in the ruble-based segment of the Internet.

## The Requirements

Yandex.Money were looking for a unified system for the coordination of access to its databases and applications and for logging access-related events and data. The main selection criteria were:

- High functionality and flexibility to allow realization of such a complex system
- Compliance with the very highest safety standards
- Fast and efficient implementation
- Ability to be integrated with existing systems
- Expandability to support further development of service processes on the basis of the ITIL model.

In addition, the system was required to have integrated functions for a comprehensive analysis of data histories.

## The Solution

Several software solutions were compared. OMNINET was invited to present a detailed description of the functional and architectural features of the final product. OMNITRACKER was chosen as the only convincing solution.

Development and implementation of the access control system (ITIL3) were carried out by OMNINET's partner OMNIWAY. The main activities of OMNIWAY's specialists were:

- Development of the process models: definition of objects for access and access policy with the aim of harmonizing the rules for granting, offering and blocking access
- Implementation of the system including the integration with third-party systems
- Realization of a reporting system for monitoring and data analysis
- Definition of areas of responsibility and training of appointed staff.

## Project Results

The project introduced a unique system, with specialized functionality for high-security access control.

## High Security Access Control

- All access objects (roles, data sources, policies, groups, coordination, etc.) are version controlled. The state and relationships of objects can be reproduced not only for any time in the past; their target states can be predicted for any time in the future. These features fulfill the requirement that access facilities can be monitored and audited.
- Any change to the OMNITRACKER database (information on requests for connection or disconnection, actions of users, change of policy versions, changes of roles and relationships, etc.) are recorded in one single system of records without the possibility of removal. The WORM technology (Write Once Read Multiple) ensures that records can never be deleted or changed.
- OMNITRACKER allows verification of the digital signatures of all incoming correspondence (including control of the Certificate Revocation List CRL). Messages without a valid digital signature will not be processed.
- OMNITRACKER digitally signs the own outgoing messages.

## Integration with external systems

OMNITRACKER was also integrated with existing external systems:

- OMNITRACKER communicates with Jira using web-services through an https-link. The appointment and supervision of work specialists continues to be managed in Jira.
- OMNITRACKER communicates with MS Active Directory. The two systems exchange information about status changes of employees (new start, dismissal, etc.). In this way, the corresponding changes of access rights to Yandex.Money systems are made automatically using OMNITRACKER.

The new OMNITRACKER system was implemented fast and on a limited budget. For the future, the system offers many more options for enhancement and expansion. It is an excellent platform for further automation and optimization of business process management at Yandex.Money.



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