Astra Linux Special Edition

Server Version

ASTRA LINUX SERVER

A foundation for building a secure IT infrastructure.
Adapted for building high-load and fail-safe systems
with a wide range of tasks

Key advantages

Security
Certified by all domestic regulators at the highest
level of trust

Server components
Test results confirm high load capabilities

Virtualization and containerization
Secure virtualization stack
Secure run-time environment for containerized
workloads

Proprietary information security tools
Handling data of any sensitivity level without additional
security measures

Versatility
Deployment of infrastructure of any complexity
to meet business needs

Migration
Proven transition methods from other operating
systems

Secure database management system in Astra Linux Special Edition

The Protected Database Management System
of Astra Linux Special Edition Operating System
software unit as part of the OS is certified
by FSTEC according to the 1st protection
class for DBMS

(02.07 Database management systems)

Supported architectures

X86-64	ARM	BAIKAL
MIPS (Baikal T1)	zSeries	ELBRUS
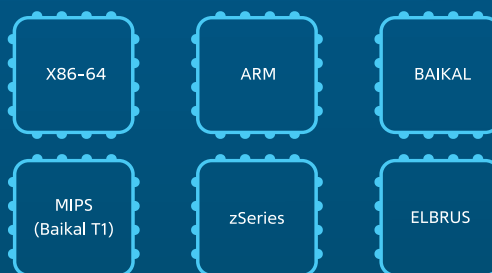
Features and capabilities

- Advanced core OS components: up-to-date Linux kernel
  and updated package base

- Over 25,000 packages that can run in the Astra Linux
  environment under any security mode

- Over 30 server OS use cases supporting various applications
  and services

- Compatible with 3,500+ software and hardware solutions
  certified under the Ready for Astra program

Security levels

OS security level for each elemtent of the information system
is selected based on the current security threats

ENHANCED VORONEZH
Additional protection against threats with a closed
software environment (CSE) and mandatory integrity
control (MIC)

Application
Significant subjects of the Critical Information
Infrastructure, Government Information Systems,
Computerized Process Control Systems, and Personal
Data Information Systems up to Category 1
(class, level) inclusively

MAXIMUM SMOLENSK
Additional protection against confidentiality violations
with Mandatory Access Control (MAC) + all Enhanced
level tools

Application
Any restricted information, including national security
information of «special importance»

Security technologies

Verified information protection tools allow working with data of any confidentiality level without additional information security tools

- Mandatory Access Control (MAC)**
- Mandatory Integrity Control (MIC)*
- Closed Software Environment*
- Additional isolation of virtualization components and Docker containers*
- Protection mechanisms for DBMS and virtualization software

- Discretionary access control
- Role-based access control
- Kiosk mode with applications whitelist
- Security event logging
- Control of connected removable storage devices

* Enhanced and Maximum levels

** Maximum level

Compliance with all regulatory security requirements

FSTEC
Trust level 1
OS protection class 1

Federal Security Service
Compliance with requirements for information security tools of 1 B class

Ministry of Defense
OS protection class 1

Licensing

Secure DBMS is licensed separately

Physical server
up to 2 sockets

Virtual server

Server with unlimited virtualization

License terms   1 | 2 | 3 years   Perpetual

Technical support

Standard Package

Request processing via web portaland a phone during business hours (Moscow time)

Premium Package

Extended technical support services and 24/7 maintenance

If you have any questions, please contact your manager at Astra Group, or use the following contact options:

8 (800) 222 07 00   info@astralinux.ru