

VisionLabs LUNA Access

Quick Start Guide

2.17.0

Contents

1	Introduction	3
2	Getting started	4
3	Overview	5
4	LUNA Access workflow	6
4.1	Access sequence diagram	7
5	Distribution package structure	8
6	Distribution package documentation	9

1. Introduction

The [Getting Started](#) chapter will help you get started with LUNA Access 2.17.0 (hereinafter referred to as the Service or Access).

The [Overview](#) chapter describes the components of Access and how they interact.

The [Distribution package structure](#) chapter describes the contents of the Access distribution package.

The [Distribution package documentation](#) chapter lists all the documents included in the Access distribution package.

2. Getting started

Before using Access, it is recommended that you read all the manuals in section [Documentation](#).

3. Overview

VisionLabs LUNA Access — software for organization of access control and management, providing tools for connecting, configuring and integrating external equipment into a single system.

Access provides the following features:

- adding video transmission devices, with frames of which CBS, LUNA PLATFORM 5 or LUNA CARS will work.;
- integration with LUNA CARS to listen to vehicle detection events;
- the addition of auxiliary devices for reading magnetic card data or obtaining human temperature data;
- sending requests to add/change data to LUNA PLATFORM;
- receiving identification events;
- receiving identification events from LUNA PLATFORM 5 and other biometric systems, followed by sending them to the ACS;
- logging events about an attempt by an unidentified employee to pass through the turnstile.

Integrations using Access, LUNA CARS/LUNA PLATFORM 5 and external devices allow you to solve the following tasks::

- access control;
- improvement of accessibility and throughput of checkpoints;
- control of the time spent by employees, visitors, vehicles in the secure area;
- protection against unauthorized access attempts using Liveness technology.

4. LUNA Access workflow

The LUNA Access workflow is shown below (Figure 1) and (Table 1).

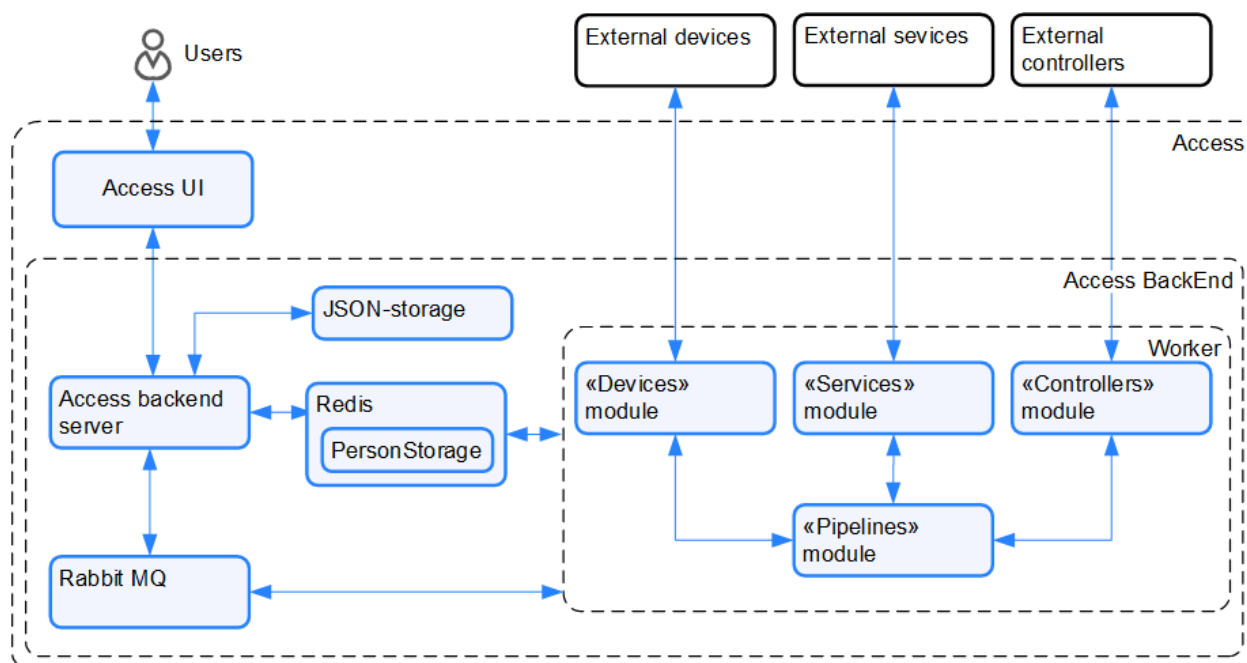


Figure 1: Scheme Access

Table 1. Scheme description.

Component	Description
Users	The system administrator configures and maintains Access.
Access	A set of software controls that allow for the joint operation of VisionLabs products and various access control systems (ACS).
Access UI	Access graphical user interface.
Access BackEnd	BackEnd Access, отвечающий за работу с внешними компонентами, взаимодействием с UI и БД.
Access backend server	A set of libraries that combines Access, database and UI modules.
Rabbit MQ	Message queue broker.
Redis	A system for storing data in the form of structures to ensure the performance of Access.
PersonStorage	Local storage storing the connection between ACS personalities and their biometric data. Used for data synchronization between access control systems and biometric systems (LP, CBS) or external services.

Component	Description
PostgreSQL	Database to store integration settings and user data.
Worker	A set of modules for interacting with external components.
Pipelines Module	Access module that contains libraries for configuring the operation of external devices and external services
Devices Module	Access module that contains libraries for connecting external devices to Access
Services Module	Access module that contains libraries for connecting external services to Access
Controllers Module	Access module that contains libraries for working with external controllers
External devices	Connectable cameras, terminals, and thermal imaging cameras that transmit a video stream for further processing. For a complete list of available devices, see the User Manual
External services	PACS or VisionLabs products that can be used in integration. For a complete list of available PACS or VisionLabs products, see the User Manual
External Controllers	External controllers (for example, card readers) used in integrations.

4.1. Access sequence diagram

For a diagram of how Access works for various tasks, see the Administrator's Guide.

5. Distribution package structure

The Access distribution package consists of the following directories (Table 2):

Table 2. Distribution composition

Directory name	Description
/db	A set of files for working with JSON storage.
/docs	The directory containing the Access documentation.
.env	Configuration file for configuring environment variables.
CHANGELOG.md	Full description of the version changes
docker-compose.yml	File containing commands for launching docker containers.
conf.yml	File containing configurations for the log-agent service.
README_FOR_- ENGINEERS.md	A quick start guide for implementation engineers.
/scripts	For the directory with useful scripts, see The administrator's guide.
vl_access_2_v2.17.0.tar.gz	Access distribution, when selecting an archive with an image
/tls	Directory for storing certificates of interaction with external systems in .pem format

6. Distribution package documentation

This section describes the documentation package supplied with Access.

All documents, except for the quick start guide, are located in the /docs folder of the distribution package.

The documentation is available in .pdf and .html format (Table 3).

Table 3. Documents

Document	Description
/LUNA_Access_Release_Notes_-Eng	Release notes
/LUNA_Access_Quick_Start_-Guide_Eng	Quick Start Guide.
/LUNA_Access_Administrator_-Manual_Eng	Administration manual
/LUNA_Access_User_Manual_-Eng	User manual