



# Enterprise superapp and mobility management

- Digital Workplace • Mail • Calendars • Address Books • Office • Corporate super app • Network folders • File sharing • Built-in browser • Microapps and mini-apps • Container management • Root and Jailbreak control • Mobile Device Management (MDM) • MAM SDK • Enterprise app marketplace • Total EMM



# Digital Workplace from Astra Group

DESKTOP X

RUPOST

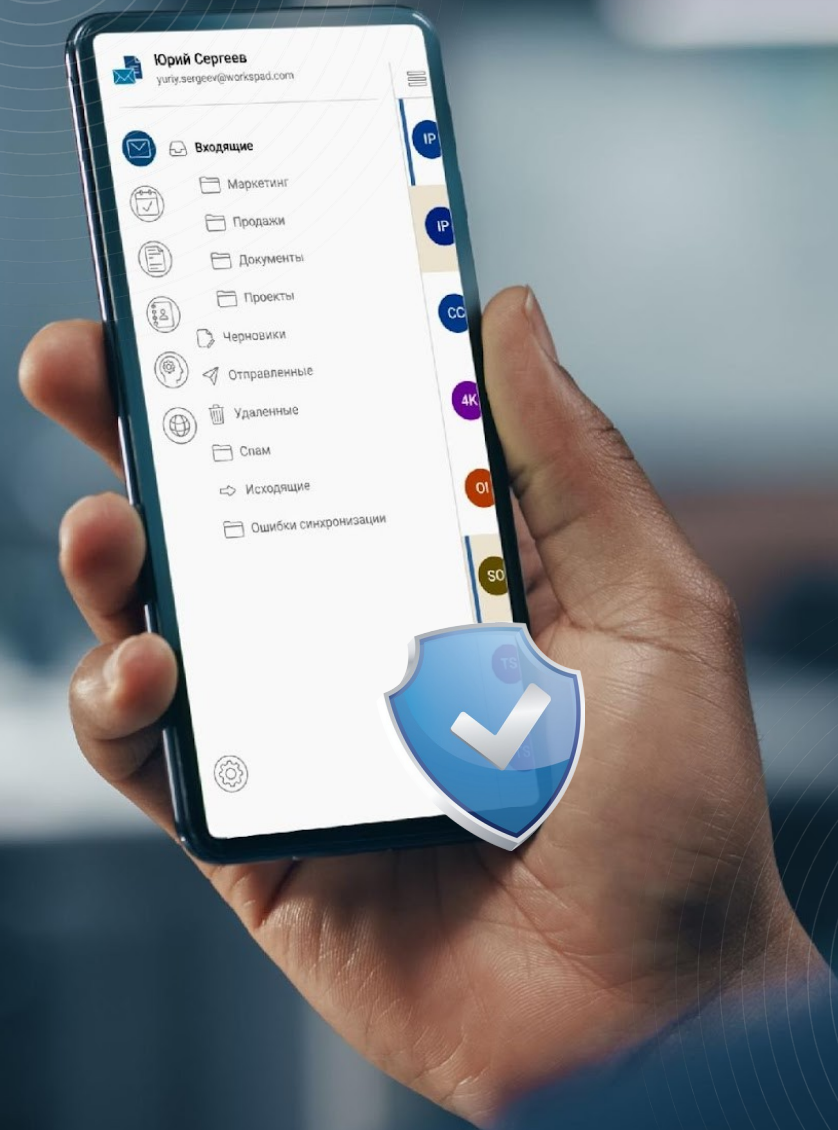
 WorksPad

# What is enterprise mobility...

## What for?

### Using mobile devices for work:

- Optimizing business processes and increasing productivity
- Control of data sent from smartphones
- Reducing the risks of information loss and related commercial and reputational risks



# What a business needs

## Productivity



- Work outside the office at any time
- High-demand business services in one application
- Process optimization due to the employees availability
- Access to internal systems from a mobile device
- Integration with video conferencing platforms and messengers

## Control



- 2 in 1: Isolated container and mobile device management
- All data inside organization without using clouds
- Integration with DLP, VPN, SIEM
- 100+ management policies
- Corporate application marketplace
- Additional data encryption

# Mobility scenarios



# Mobility requires special attention

- **75%** of employees access work email on their smartphones
- **90%** of organizations allow employees to use personal mobile devices for work
- Mobile access can add up to 100 extra working hours per employee annually
- Mobile access ensures availability & business continuity

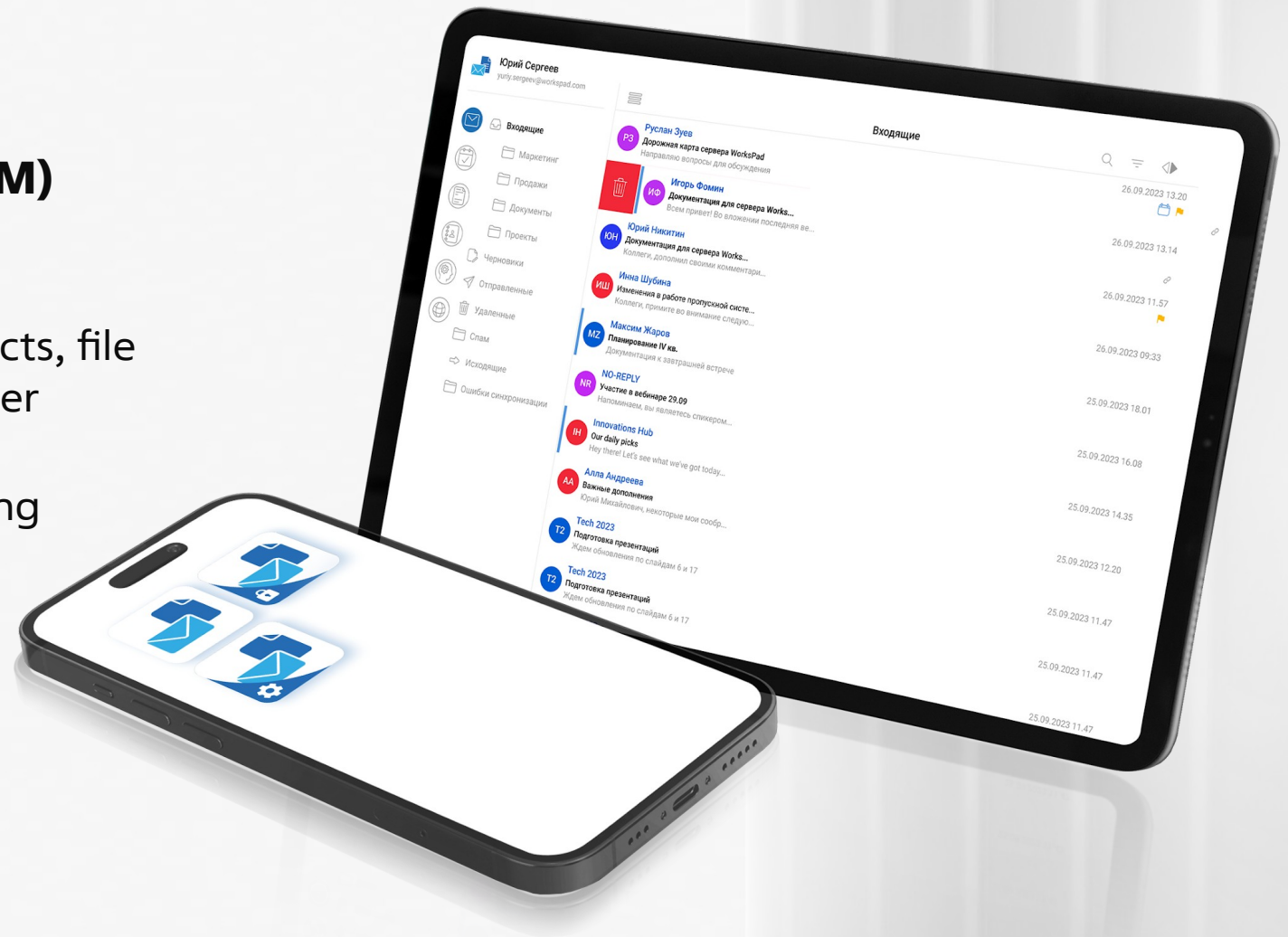


**~60%**

of Information security experts consider smartphones to be the least secure devices.

## Enterprise Mobility Management (EMM) solution:

- Enterprise superapp: mail, calendars, contacts, file sharing, network access, office suite, browser
- Controlled access to enterprise systems using mobile microapps
- Mobile Device Management (MDM)



# WorksPad makes the mobile work controlled

1

Superapp in an encrypted isolated container - Tools for all-in-one mobile work

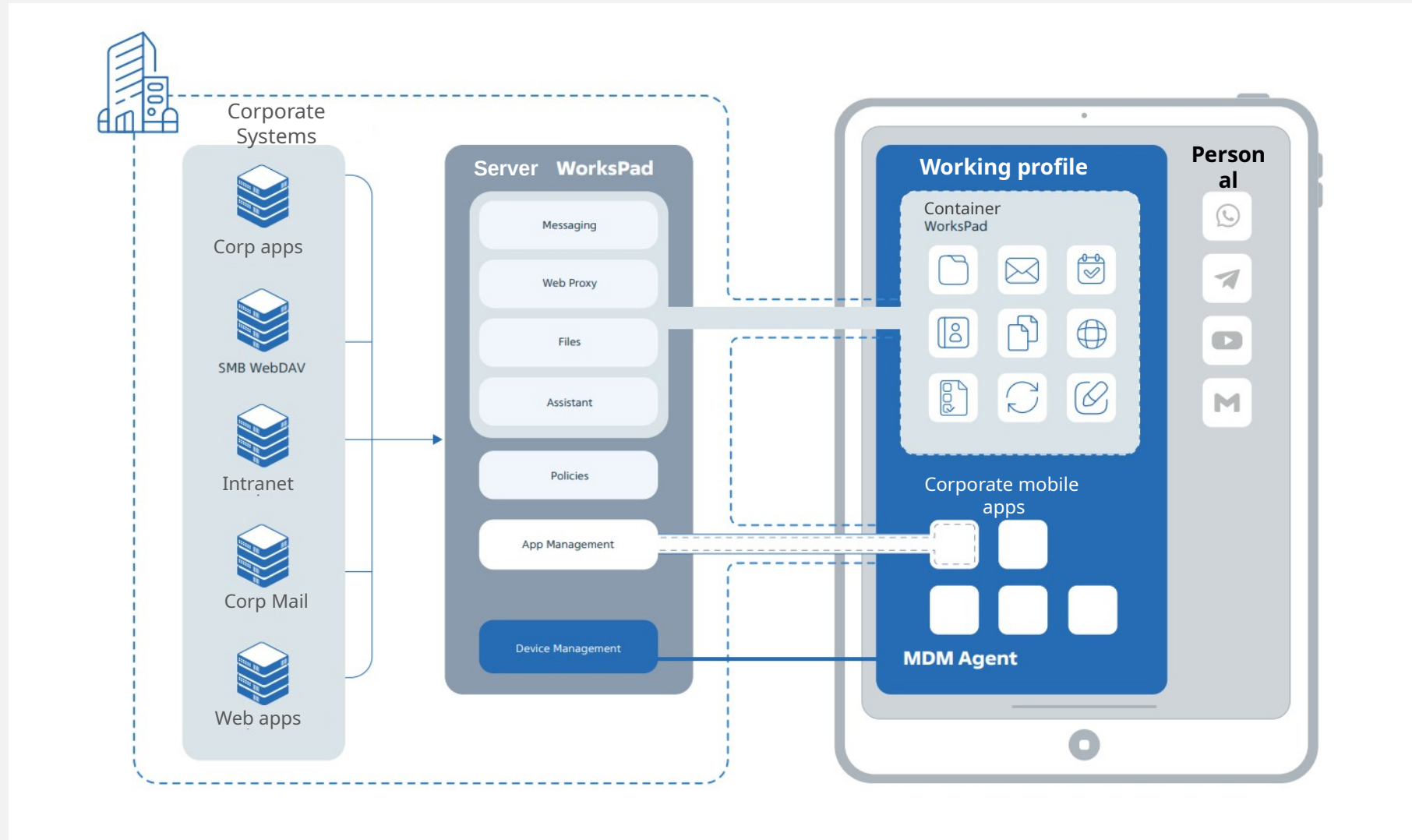
2

Mobile Device Management (MDM):

- remote configuration, policies and compliance
- corporate application marketplace and more



# SuperApp + MDM



 **WorksPad**

# WorksPad Container

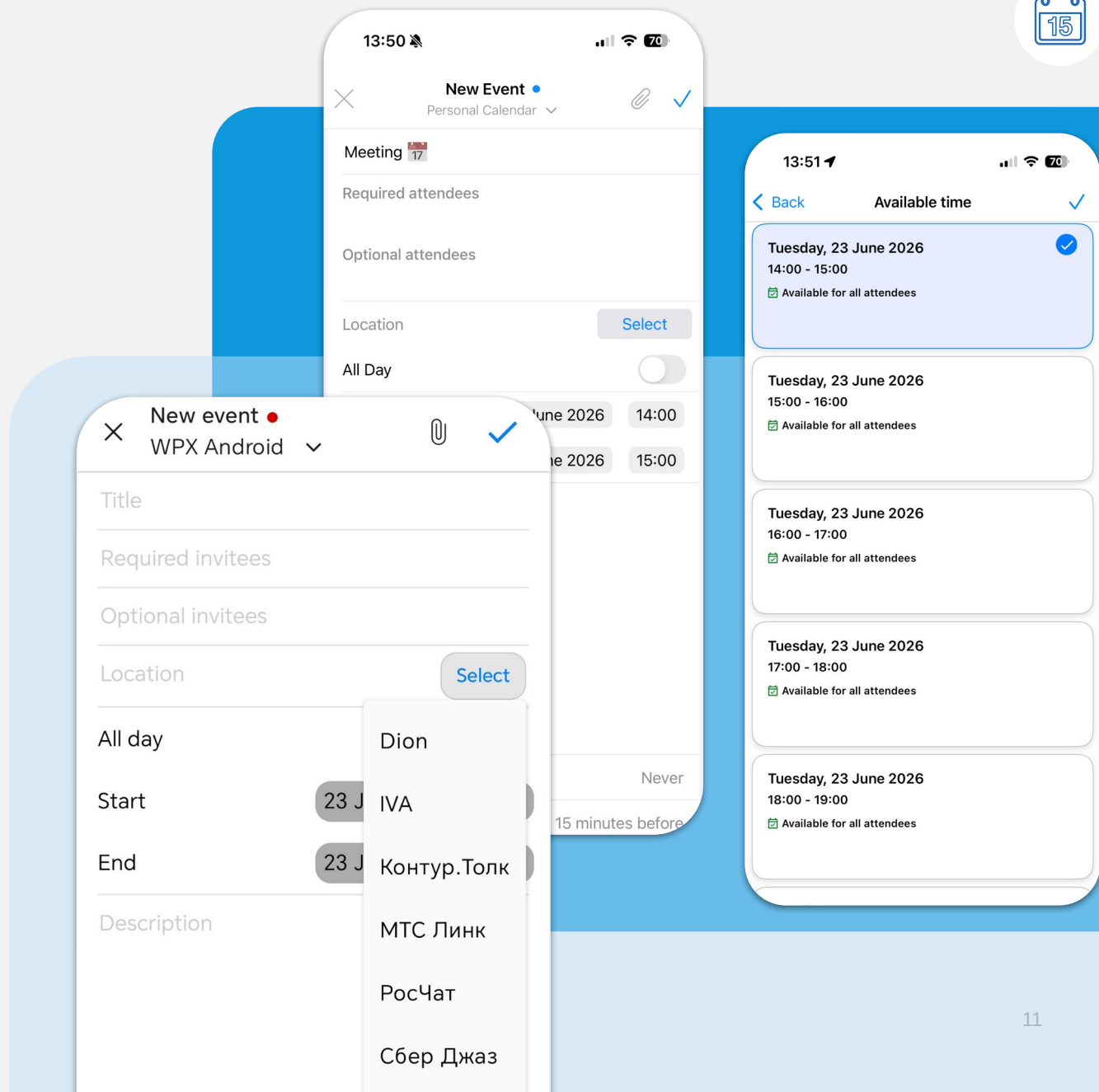
All in one



# Calendars

## Corporate tools

- Access calendars across different mail servers
- Free/Busy lookup across any email system
- Edit individual events within a recurring series
- Automatic meeting time suggestions based on participants' availability
- Automatically generate meeting links when scheduling events
- Shared team calendars
- Support for recurring events
- Customizable push notifications

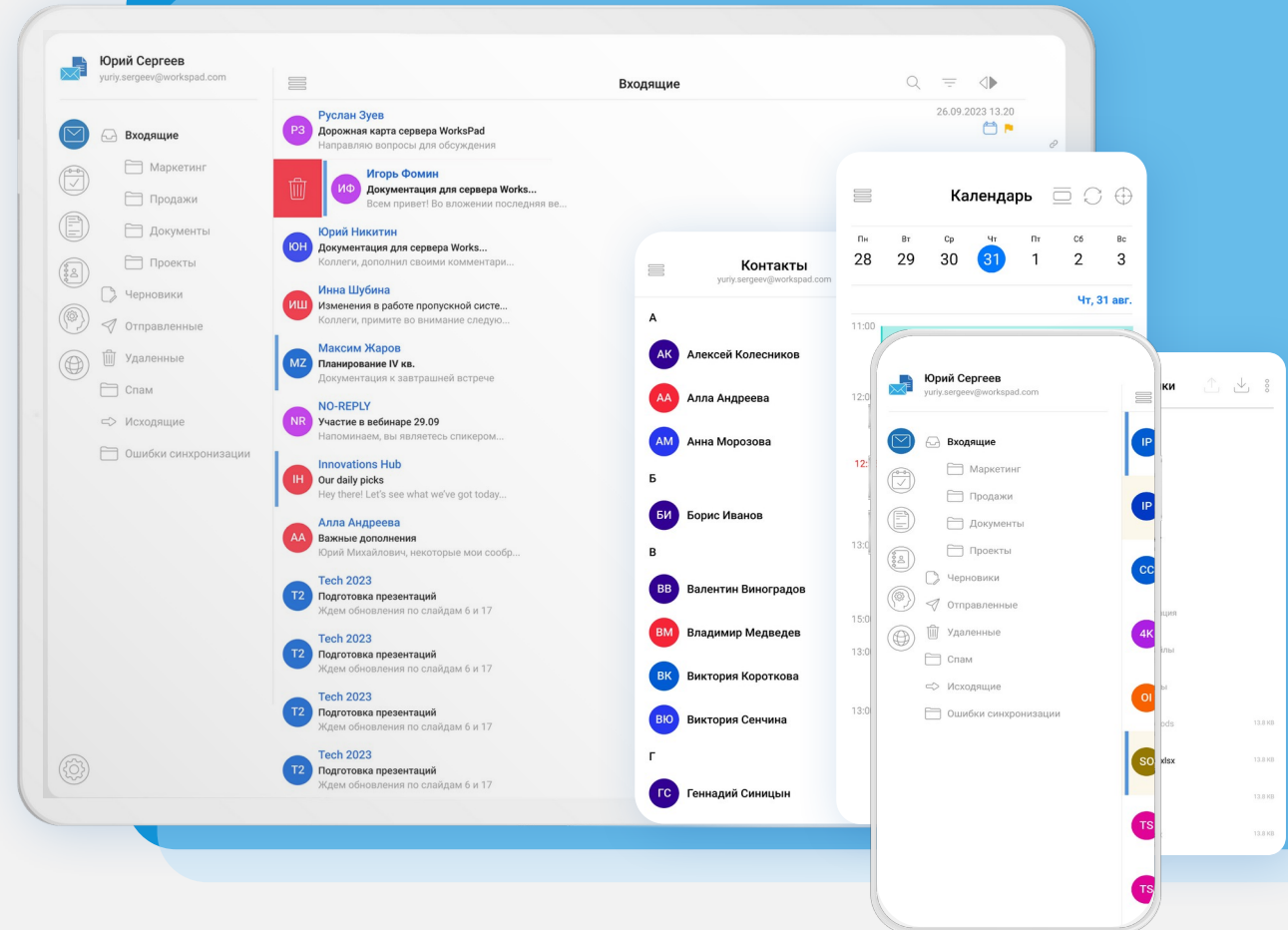


# Mail and address books



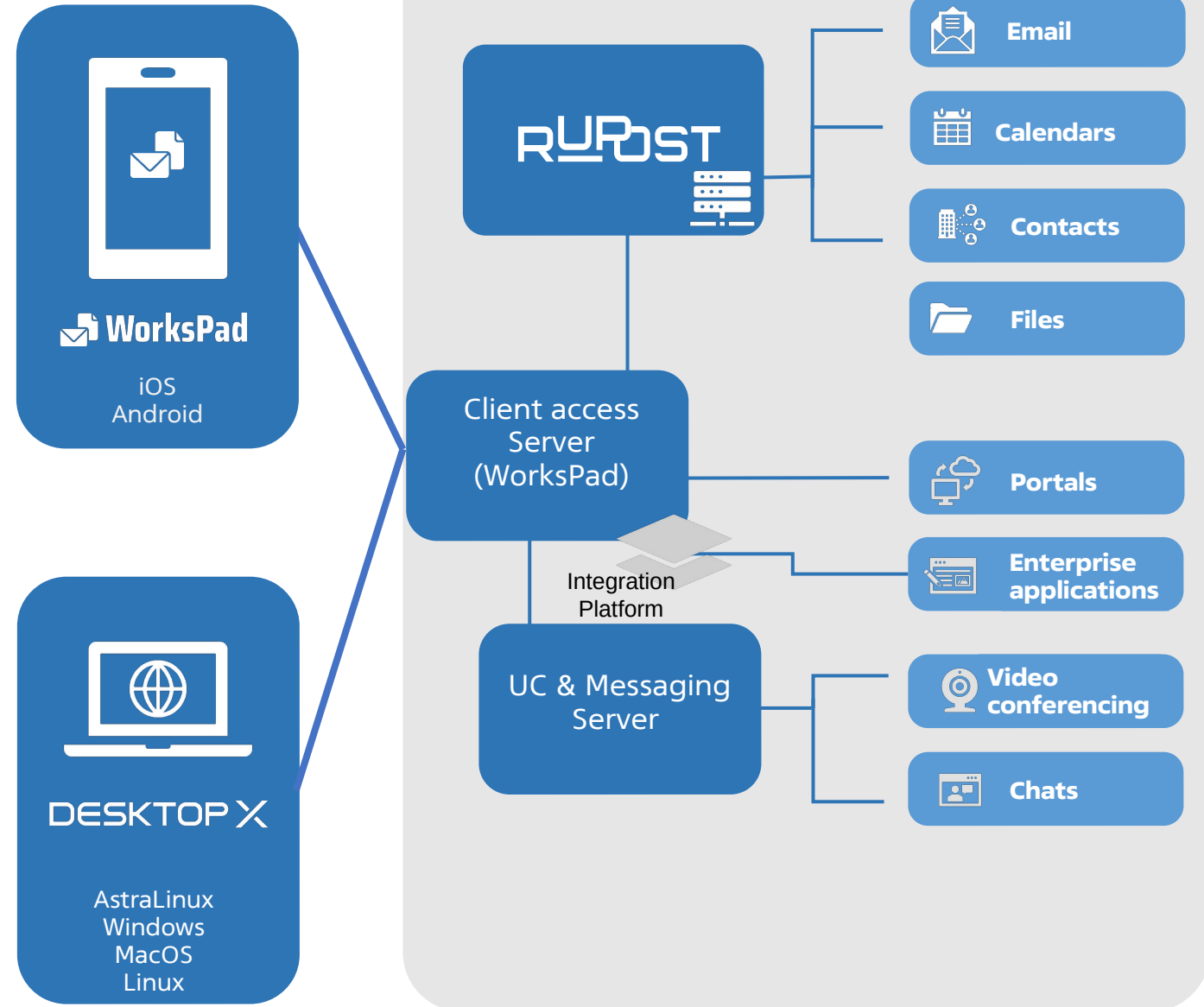
## Corporate tools

- Connecting to different mail servers
- Flags, priorities, and delivery confirmations
- Mail search and filters Colleagues' calendars
- Customizable swipes and signatures
- Saving and forwarding emails to EML
- Combining and offline large address books
- Unified offline address books
- Automatic address book synchronization



# What else is needed for a Digital Workplace?

- Cross-platform support across all major OS
- Application containerization
- Security policies
- Sync (Messenger, Video conference) & async (Mail) communications
- Native App
- SuperApp & lightweight extension through PWA
- Unified access

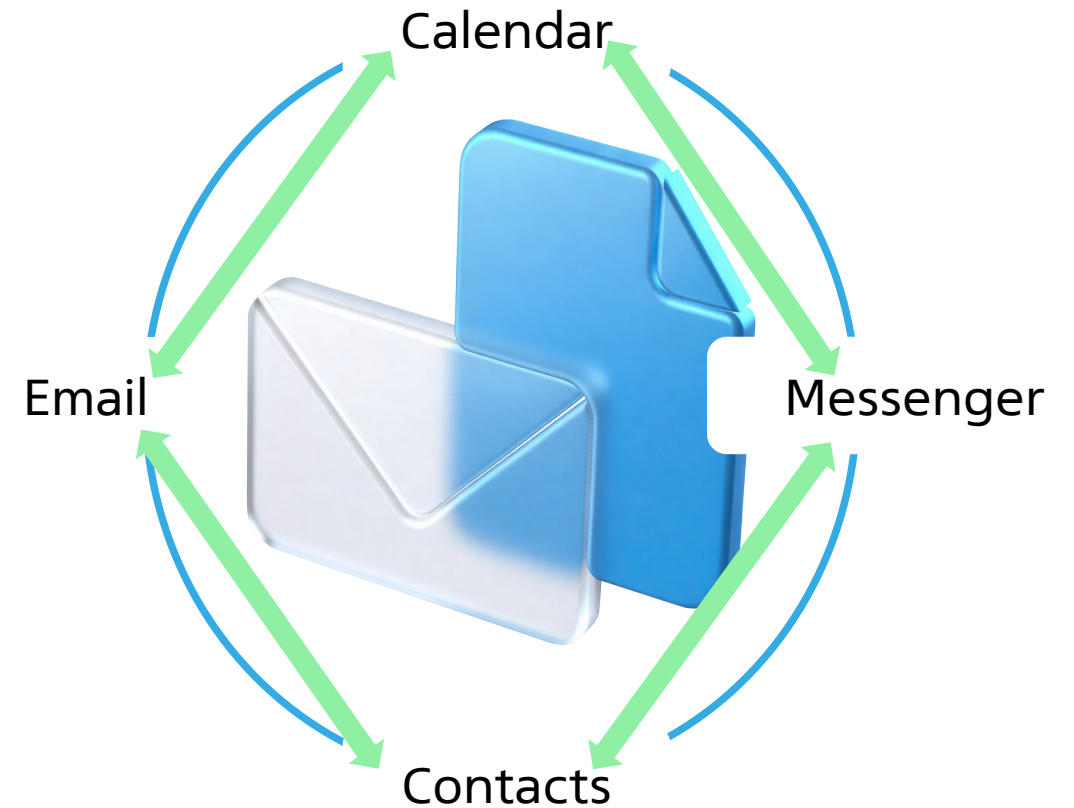


# Corporate messenger



## Cross-Functional Workflows

- Start a chat from an email
- Start a chat from a calendar event
- Start a chat from a contact
- Compose an email from a chat
- Compose an email from a calendar event
- Compose an email from a contact profile
- Create a calendar event from an email
- Create a calendar event from a chat
- Create a calendar event from a contact profile



# Corporate messenger



## Corporate tools

### Additional Use Cases

- Access internal corporate resources and files
- Review and approve business processes through integrated web browser
- Upload files to network storage or desktop environments
- Retrieve, edit, annotate and securely share files

### Productivity Gains

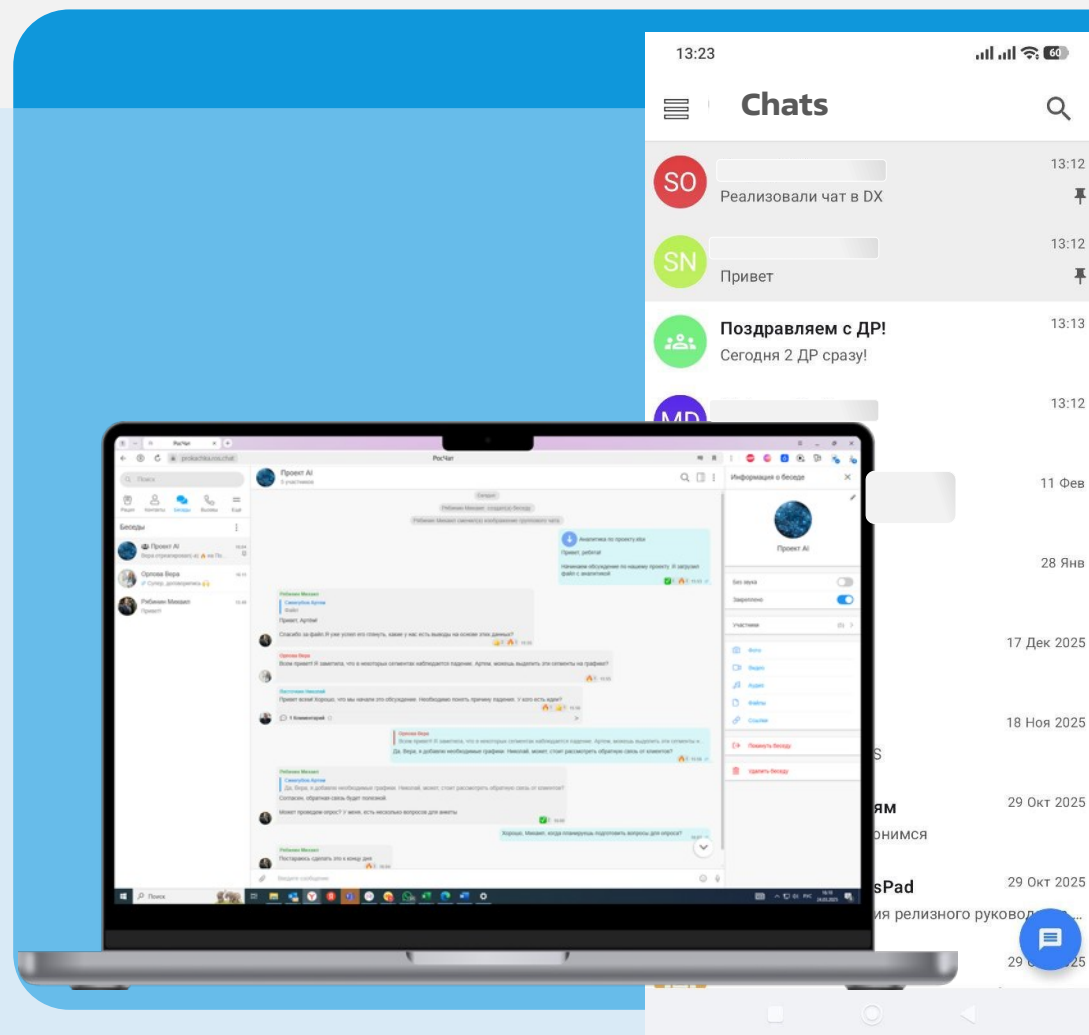
- 60+ hours saved per employee annually
- Up to 15-20 minutes saved per day

### Available on Any Platform

One Digital Workplace across mobile and desktop, powered by WorksPad mobile SuperApp and Desktop X cross-platform client

### Security & Compliance

Unified encrypted container  
Policy-based security and compliance enforcement



# Corporate messenger

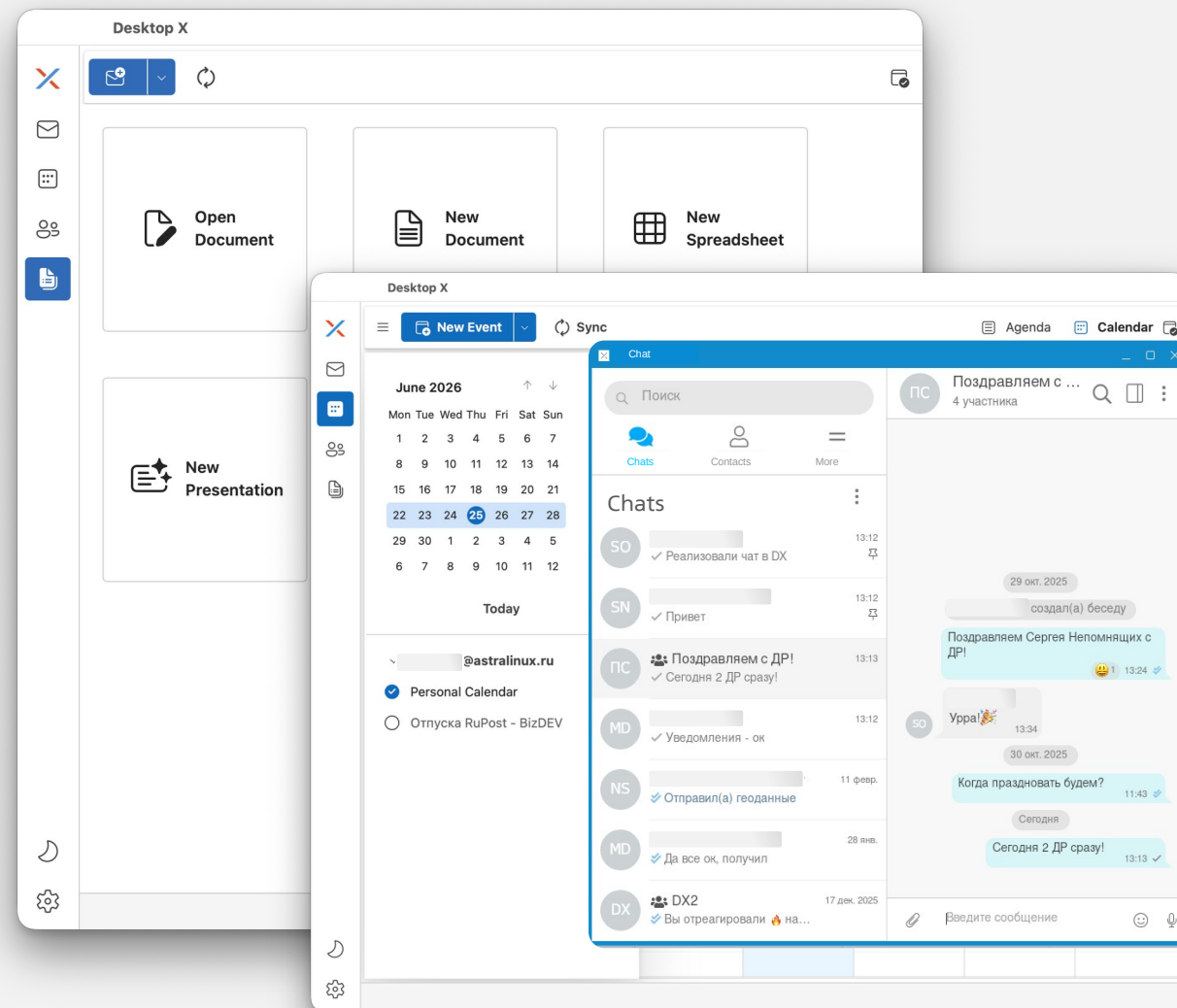


## Corporate tools

WorksPad delivers a secure enterprise Super App that brings together messaging, calling, email, video meetings, productivity tools, and business applications in a single digital workplace.

Key Capabilities:

- **Instant messaging**
- **Teams and channels**
- **Voice and video calling\***
- **Corporate video meetings\***
- **Cross-applications workflows**
- **Contacts, file sharing, network file access and office**



# Office suite, network folders, and PC synchronization



## Corporate tools

- Access to corporate file storage
- Syncing files from a PC
- Supports all formats, including ODF
- Office editors and pdf annotation
- Working with zip and 7z archives, including password-protected ones

The screenshot displays the WorksPad application interface. The main window shows a spreadsheet titled "CHANNEL MARKETING BUDGET.xlsx" with the following data:

	Rate	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Total
ANTICIPATED SALES TOTAL \$(000)		750	200	500	1,500	1,200	1,500	1,500	1,800	2,000	2,000	2,000	2,000	16,950
PERSONNEL (% OF TOTAL SALES)		110%	110%	110%	110%	110%	110%	110%	110%	85%	85%	85%	85%	
Human Resources - Headcount	5	5	5	5	5	5	5	5	5	5	5	5	5	
Human Resources - Cost		25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	300.00
Commission	0.10%	0.75	0.20	0.50	1.50	1.20	1.50	1.50	1.80	2.00	2.00	2.00	2.00	16.95
Personnel Total \$(000)		25.75	25.20	25.50	26.50	26.20	26.50	26.50	26.80	27.00	27.00	27.00	27.00	316.95
DIRECT MARKETING (% OF TOTAL SALES)		100%	75%	40%	33%	25%	20%	10%	5%	5%	5%	5%	5%	
Telemarketing (% of Direct Sales)		100%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	
Human Resources - Headcount	3	3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Infrastructure Support		25	10	25	10	25	10	25	10	25	10	25	10	25
Commission	0.10%	0.75	0.10	0.19	0.30	0.20	0.19	0.15	0.09	0.05	0.05	0.05	0.05	
Training		25	10	25	10	25	10	25	10	25	10	25	10	25
Telemarketing Total \$(000)		53.75	21.60	51.69	21.80	51.70	21.69	51.65	21.59	51.55	21.55	51.55	51.55	
Internet Marketing (% of Direct Sales)		25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	25%	
Human Resources - Headcount	1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
Website Development (one-time cost)		500												
Hosting		10	10	10	10	10	10	10	10	10	10	10	10	
Support & Maintenance		25												25
Internet Marketing Total \$(000)		535.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	35.25	
Direct Mail (% of Direct Sales)														
Human Resources - Cost														
Material		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Postage		250	250	250	250	250	250	250	250	250	250	250	250	
Direct Mail Total \$(000)		1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	1,250.00	
Direct Marketing Total \$(000)		1,839.00	1,281.85	1,311.94	1,282.05	1,311.95	1,281.94	1,311.90	1,281.84	1,311.80	1,281.80	1,311.80	1,336.80	
AGENT/BROKER (% OF TOTAL SALES)		10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Communication		50	50	50	50	50	50	50	50	50	50	50	50	
Training		250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	
Promotions		600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	600.00	

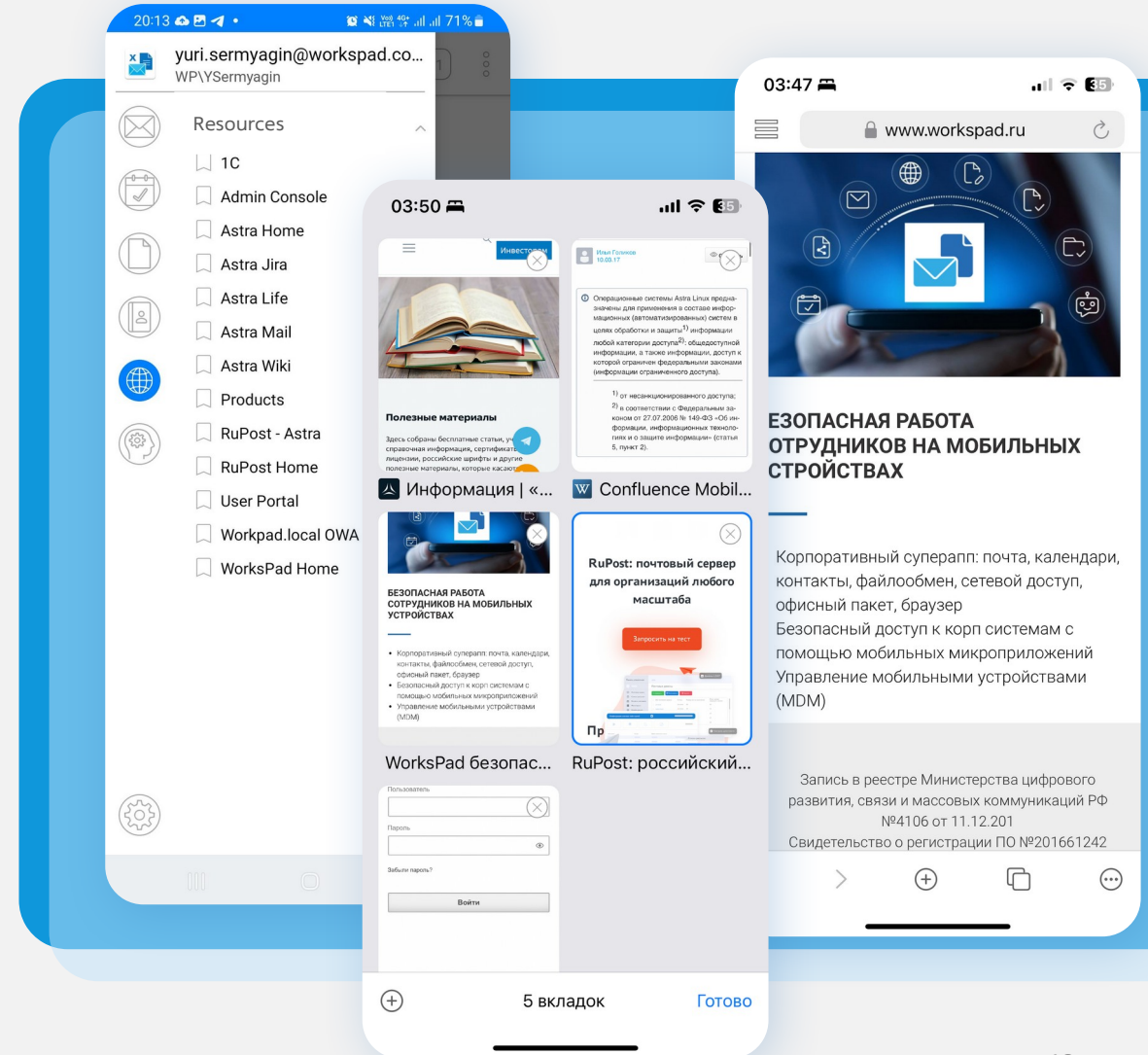
The sidebar on the right shows a user profile for "Юрий Сергеев" and a list of folders: "Входящие", "Маркетинг", "Продажи", "Документы", "Проекты", "Черновики", "Отправленные", "Удаленные", "Спам", "Исходящие", and "Ошибки синхронизации".

# Managed browser in the container



## Corporate tools

- Access to internal portals and web interfaces of corporate systems
- Controlled Internet/Intranet access
- Black and white lists of resources
- Setting up corporate bookmarks
- Working with certificates
- Hints for previously visited pages





# A micro and mini application platform

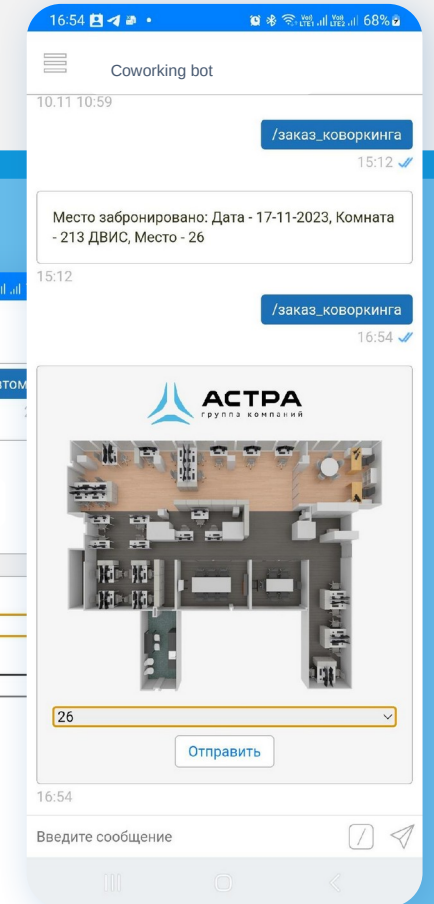
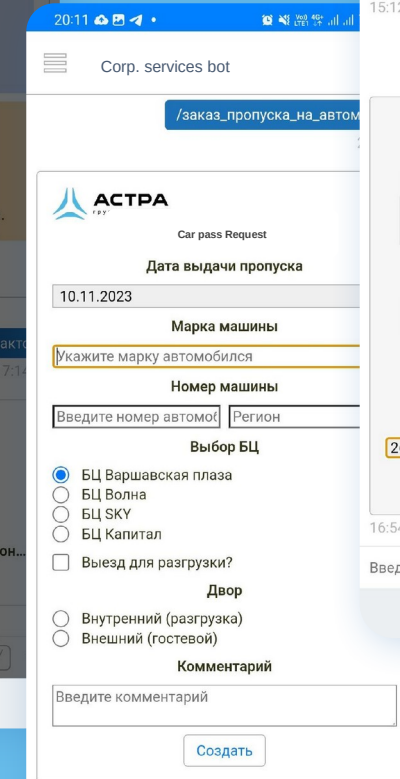
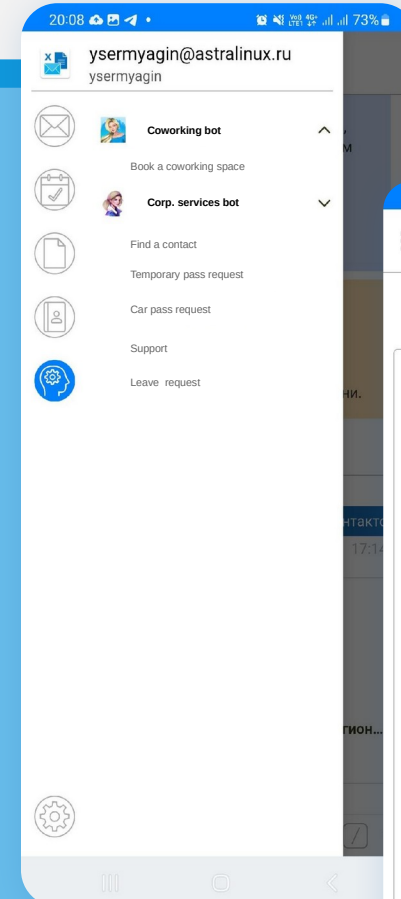
WorksPad Assistant



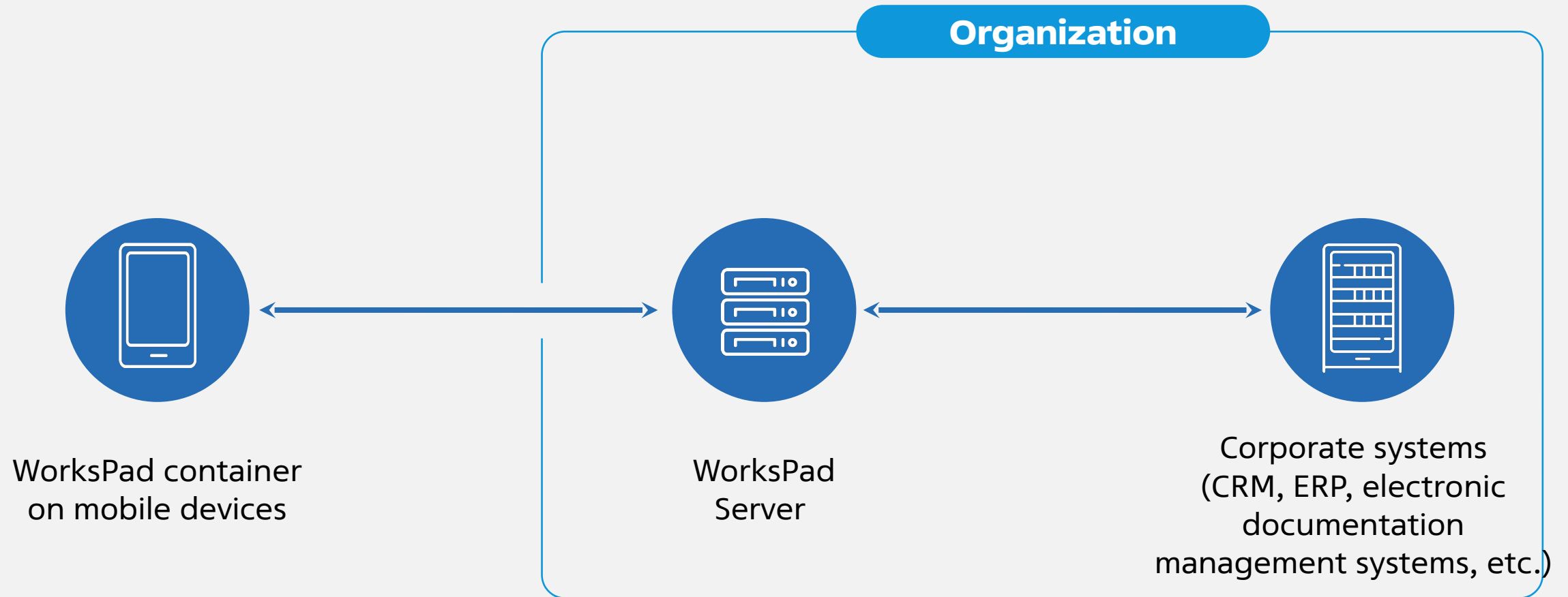
# Examples

## Corporate services

- Request for a pass
- Booking a coworking space
- How to
- Reports
- News
- Technical support and more



# Enhancing functionality of WorksPad



# WorksPad micro-application platform

- Micro-applications can be made by the company itself or ordered from the developer
- Visual editor for client forms
- For any corporate system
- For all common platforms: iOS, Android, Linux, Windows, macOS, Web. Development in Python, .Net, etc.
- Container access from mobile devices Role-based access model

Select host app: WorksPad Assistant - Light

Card Elements

- Containers
  - Container
  - ImageSet
  - FactSet
  - ColumnSet
- Elements
  - TextBlock
  - RichTextBlock
  - Image
  - Media
  - ActionSet
- Inputs
  - Input.Text
  - Input.Date
  - Input.Time
  - Input.Number
  - Input.ChoiceSet
  - Input.Toggle

Card Structure

- Column [Stretch]
  - TextBlock [Демо]
- Column [Automatic]
  - Image
  - Container
    - TextBlock [Организатор]
    - ColumnSet [2 columns]
      - Column [14 pixels]
        - Image
        - TextBlock [Сергей Орлик]
      - Column [Stretch]
        - TextBlock [Сергей Орлик]
        - TextBlock [Иван Полуян]
        - TextBlock [Сергей Макарыч]
        - TextBlock [Дмитрий Макаров]
- Image
- TextBlock [Место]
- TextBlock [шоссе Варшавское, 26]
- Image
- TextBlock [Начало 16.02.2024 14:00]
- TextBlock [Окончание 16.02.2024 15:00]
- TextBlock [Описание]
- Image

Element Properties

Image

Id (not set)

Initially visible

Url data:image/png;base64...

Alternate text Принять

Layout

Spacing Default

Separator

Horizontal alignment Center

Height Automatic

Size Auto

Width in pixels 24

Height in pixels (not set)

Style

Style Person

WorksPad Server Chatbot API

Card Payload Editor

```
378 {
379   "type": "Container",
380   "isVisible": false,
381   "items": [
382     {
383       "type": "ColumnSet",
384       "columns": [
385         {
386           "type": "Column",
387           "width": "stretch",
388           "items": [
```

20:03 100%  
мой календарь  
Отменить  
Сергей Орлик на завтра в 12  
Тверская дом 8  
20:03  
пешно отправлено.

Внедрение WorksPad Assist...  
Участники (1)  
Место  
улица Тверская дом 8



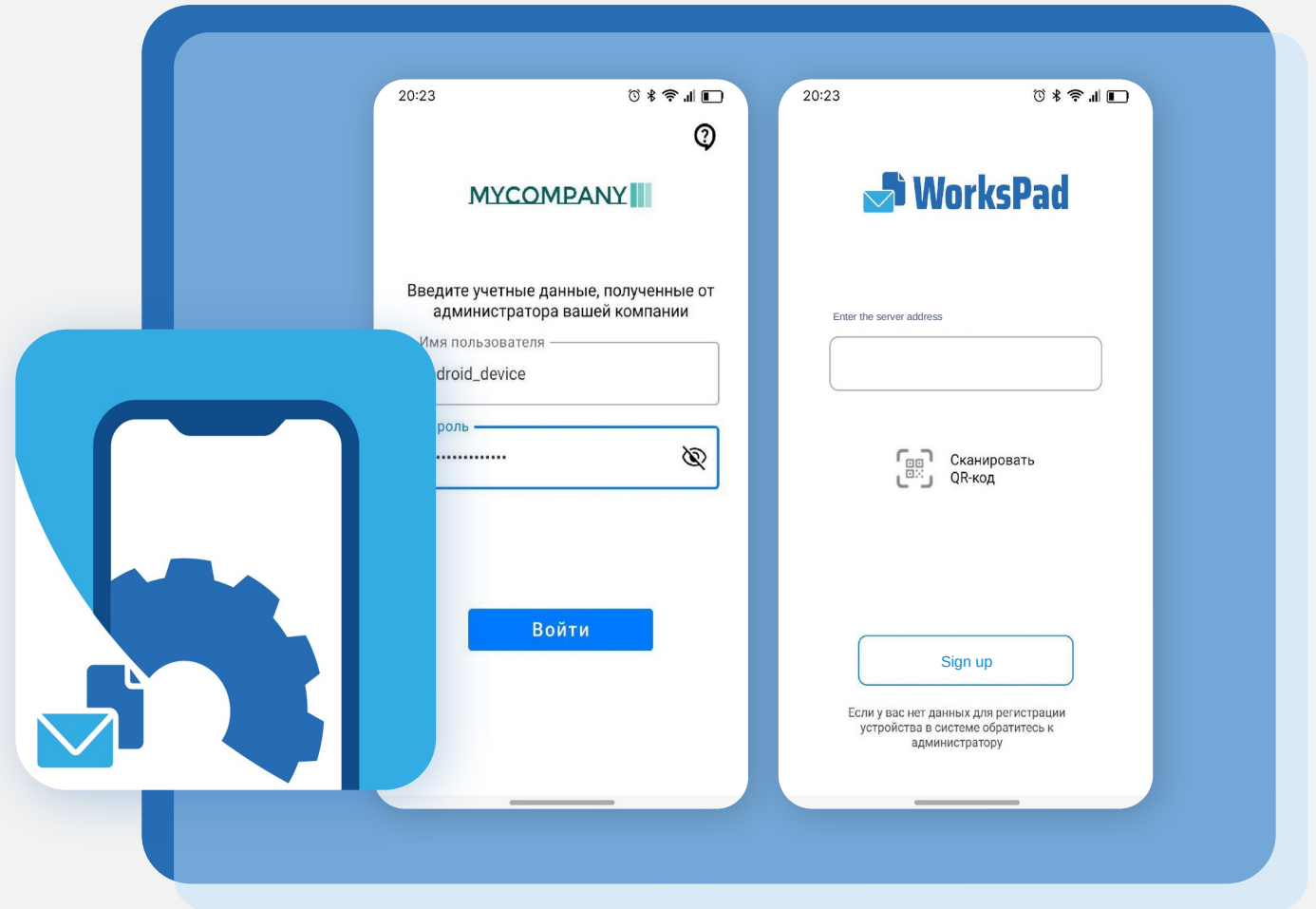
# WorksPad MDM

Mobile Device Management



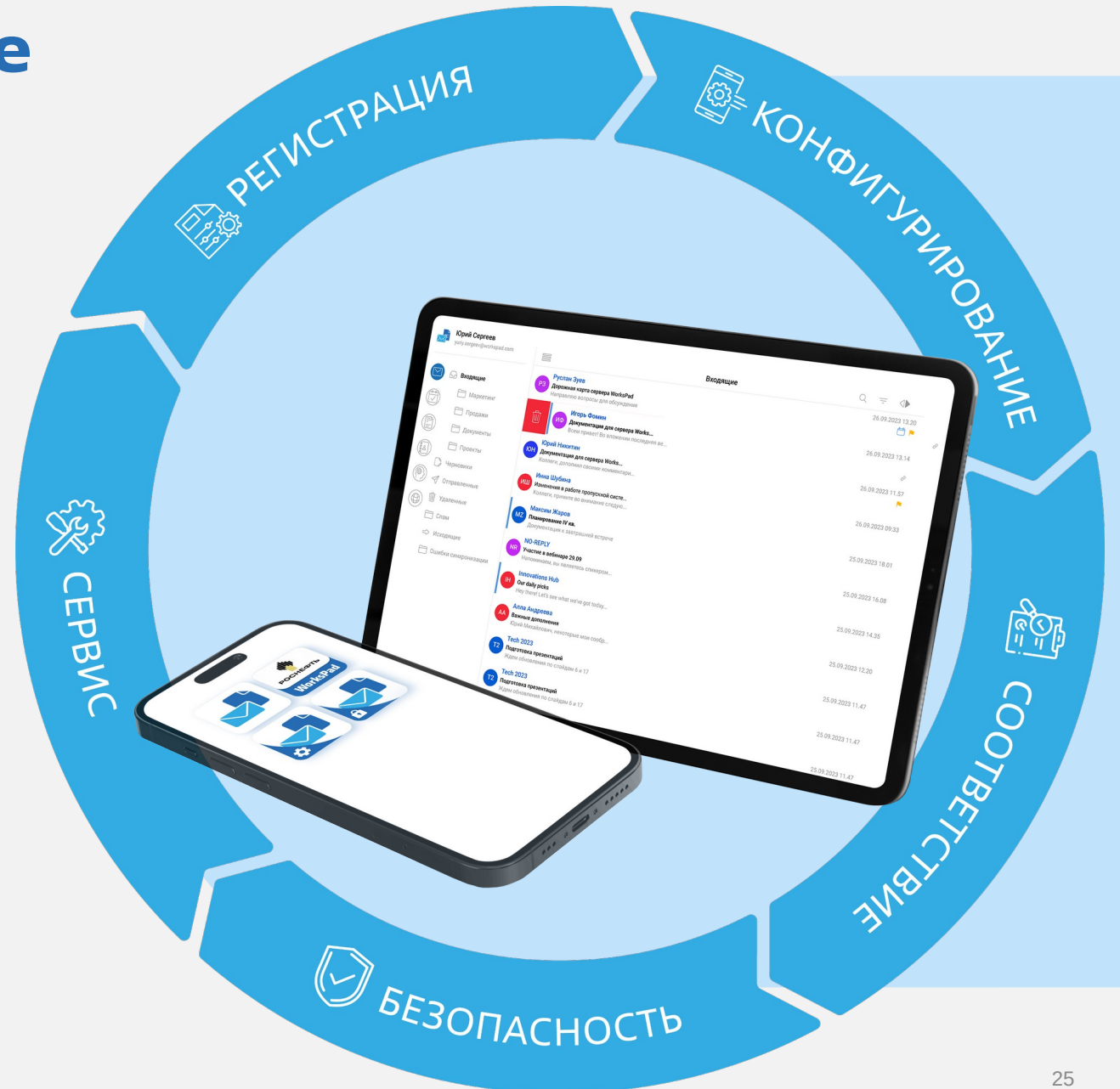
# Mobile Device Management (MDM)

- Control the devices and manage their settings
- Corporate application marketplace
- Automatic device compliance checks
- Compliance with the organization's policies



# The lifecycle of a corporate mobile device

- Device Registration
- Configuration
- Profiles and Policies
- Compliance
- Service and maintenance



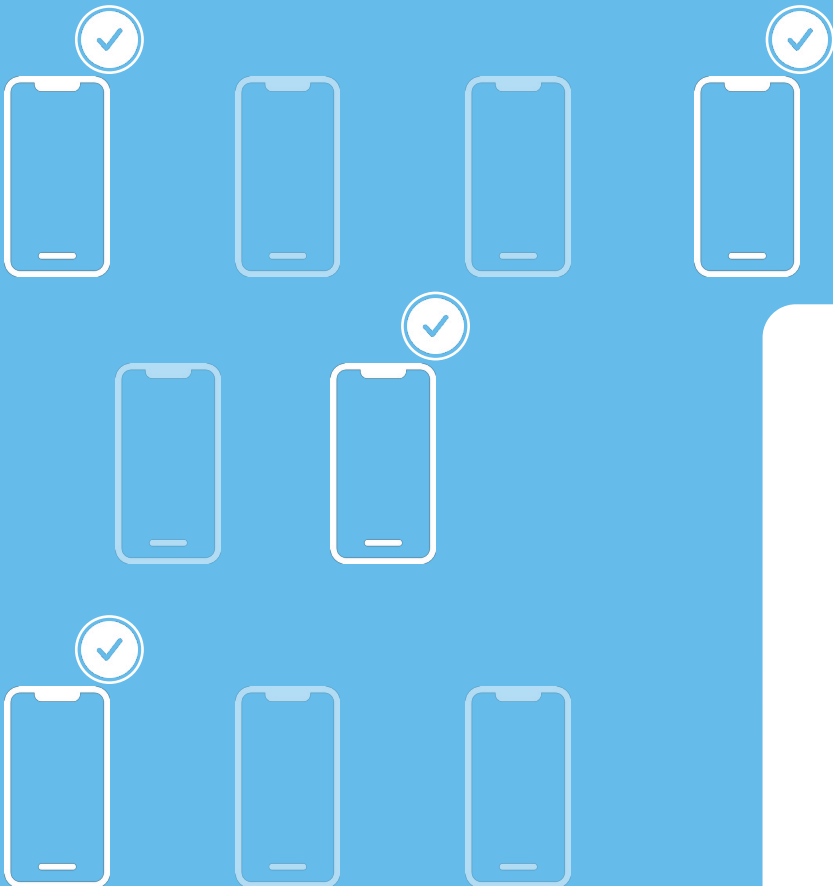
# Enrollment and Configuration

## Enrollment

- Through an MDM agent
- Available via RuStore, Play Market, AppStore
- QR code-based enrollment

## Configuration

- Password policies and device controls, including screenshots, 2FA, Jb/root
- MDM policy deployment via API (Android) and configuration profiles (iOS)
- Certificate provisioning and integration with enterprise PKI and WiFi infrastructure
- Android management models: Profile Owner, Device Owner
- iOS management: Non-Supervised Mode



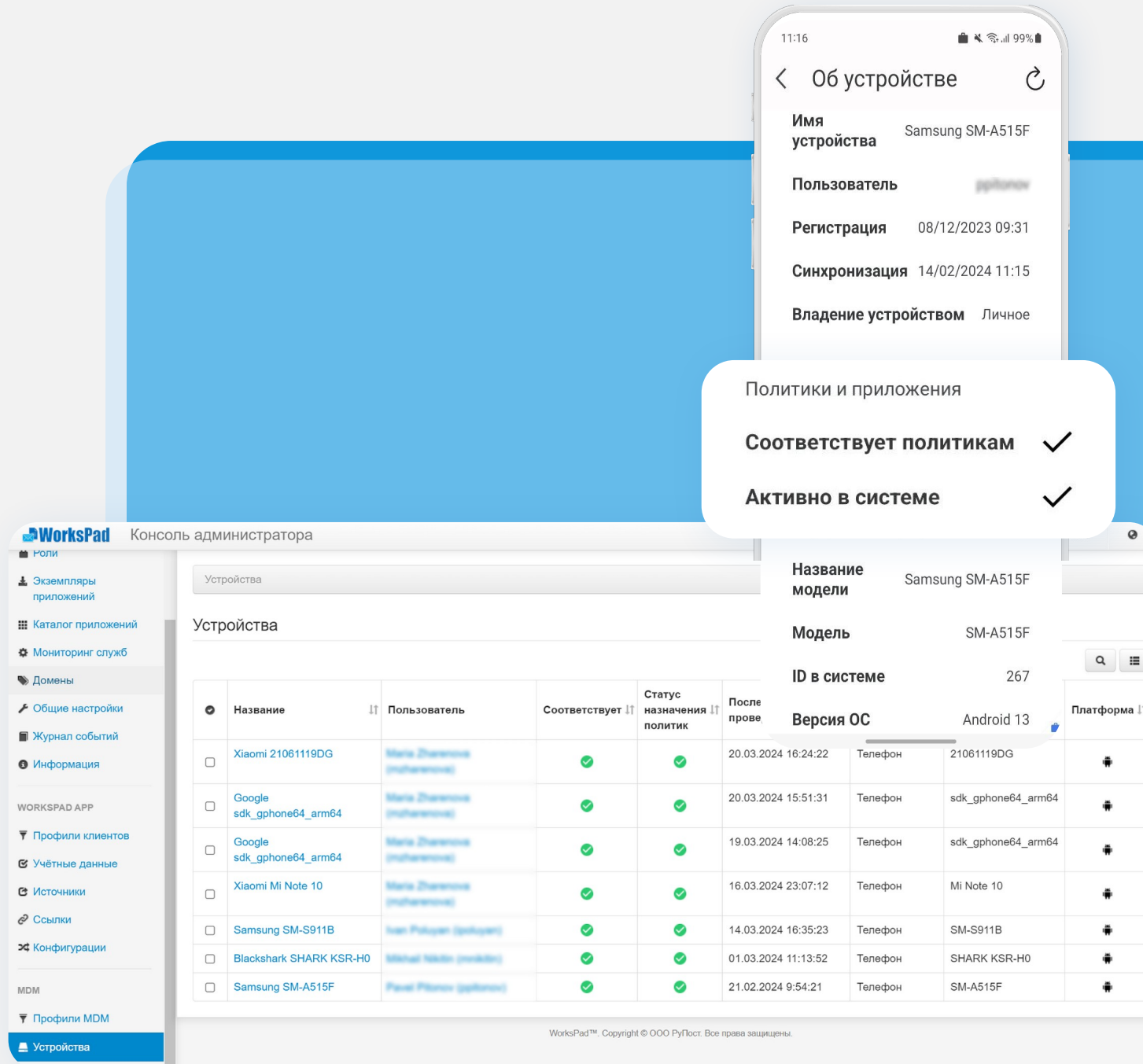
# Compliance verification

## Device Data Collection

- Device type, OS version, etc.
- Installed applications

## Compliance verification

- Verification of baseline policies
- Device activity verification
- JailBreak/root detection
- Automatic actions for compliance violations



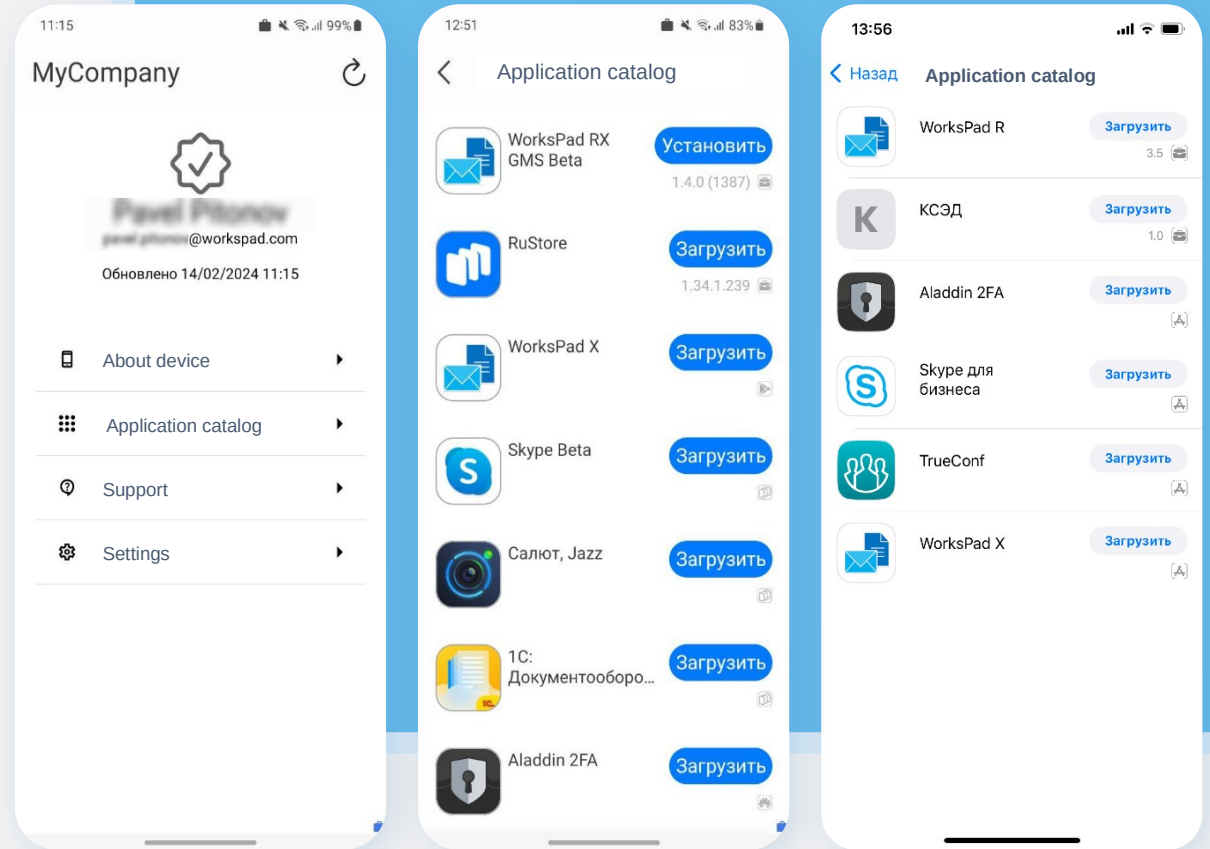
The screenshot displays the WorksPad mobile management console interface. At the top, a mobile device screen shows the 'Об устройстве' (About device) page for a Samsung SM-A515F, listing details such as the user, registration date (08/12/2023 09:31), synchronization date (14/02/2024 11:15), and ownership (Personal). A pop-up window indicates that the device 'Соответствует политикам' (Complies with policies) and is 'Активно в системе' (Active in system).

The main console view shows a table of devices under the heading 'Устройства' (Devices). The table includes columns for Name, User, Compliance status, Policy assignment status, Last check, Name, Model, ID in system, OS Version, and Platform.

Название	Пользователь	Соответствует	Статус назначения политик	После прове	Название модели	Модель	ID в системе	Версия ОС	Платформа
Xiaomi 21061119DG	Мари Зарина (Иванов)	✓	✓	20.03.2024 16:24:22	Samsung SM-A515F	SM-A515F	267	Android 13	Телефон
Google sdk_gphone64_arm64	Мари Зарина (Иванов)	✓	✓	20.03.2024 15:51:31					Телефон
Google sdk_gphone64_arm64	Мари Зарина (Иванов)	✓	✓	19.03.2024 14:08:25					Телефон
Xiaomi Mi Note 10	Мари Зарина (Иванов)	✓	✓	16.03.2024 23:07:12					Телефон
Samsung SM-S911B	Иван Петров (Петров)	✓	✓	14.03.2024 16:35:23					Телефон
Blackshark SHARK KSR-H0	Михаил Малицкий (Малицкий)	✓	✓	01.03.2024 11:13:52					Телефон
Samsung SM-A515F	Павел Павлов (Павлов)	✓	✓	21.02.2024 9:54:21					Телефон

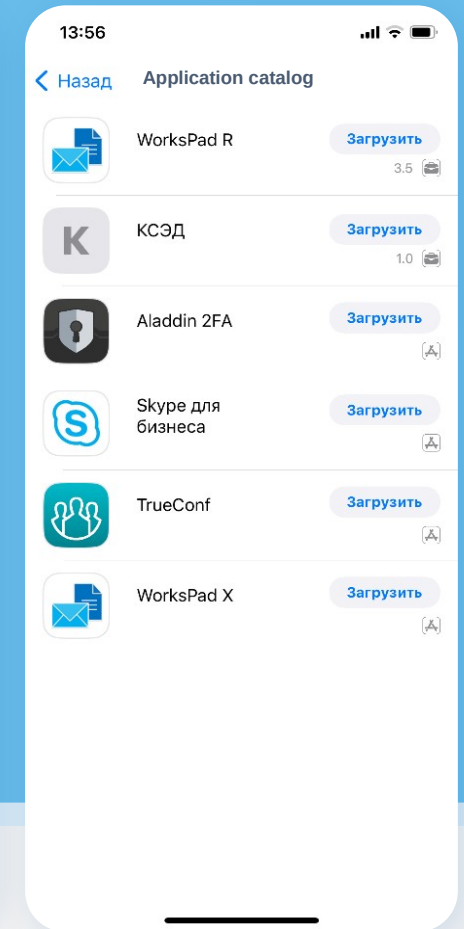
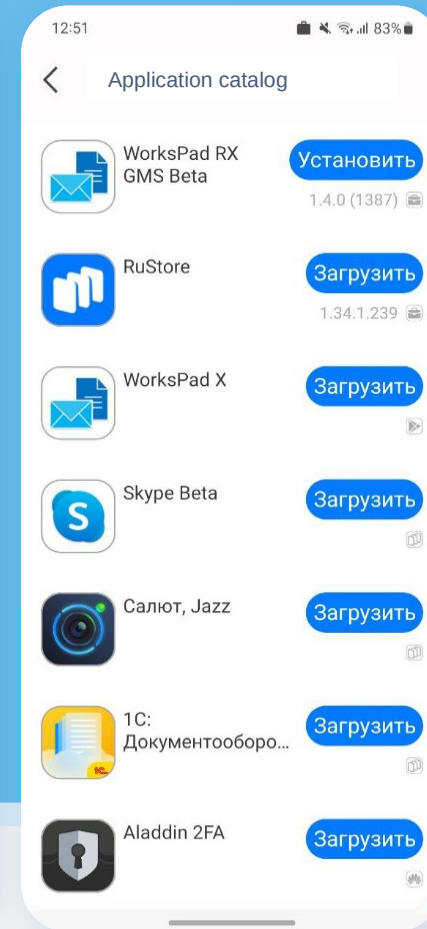
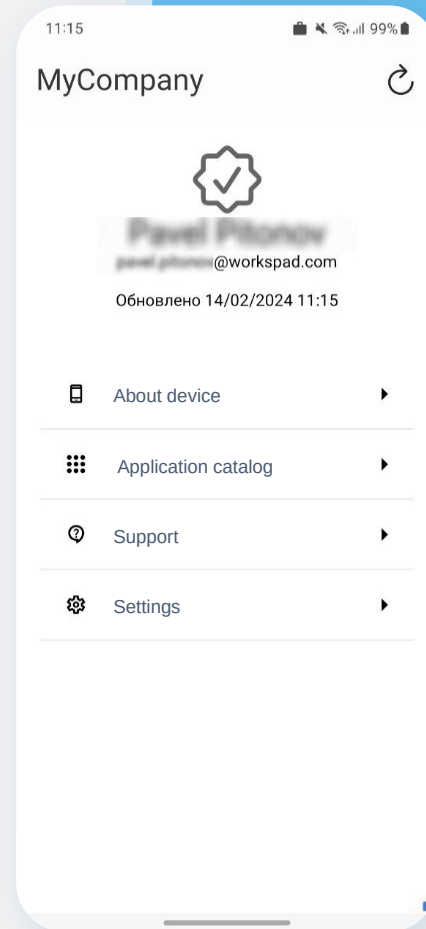
# Mobile Application Management (MAM)

- Applications from app marketplaces
- Internal corporate applications
- Mandatory applications
- Application whitelists and blacklists



# Corporate application marketplace

- Apps from public marketplaces
- Internal enterprise applications
- Links to required applications
- Application mandatory lists, white lists and black lists
- Device Management Commands
- Unified control panel





# WorksPad

Summary



# Technology Partnerships

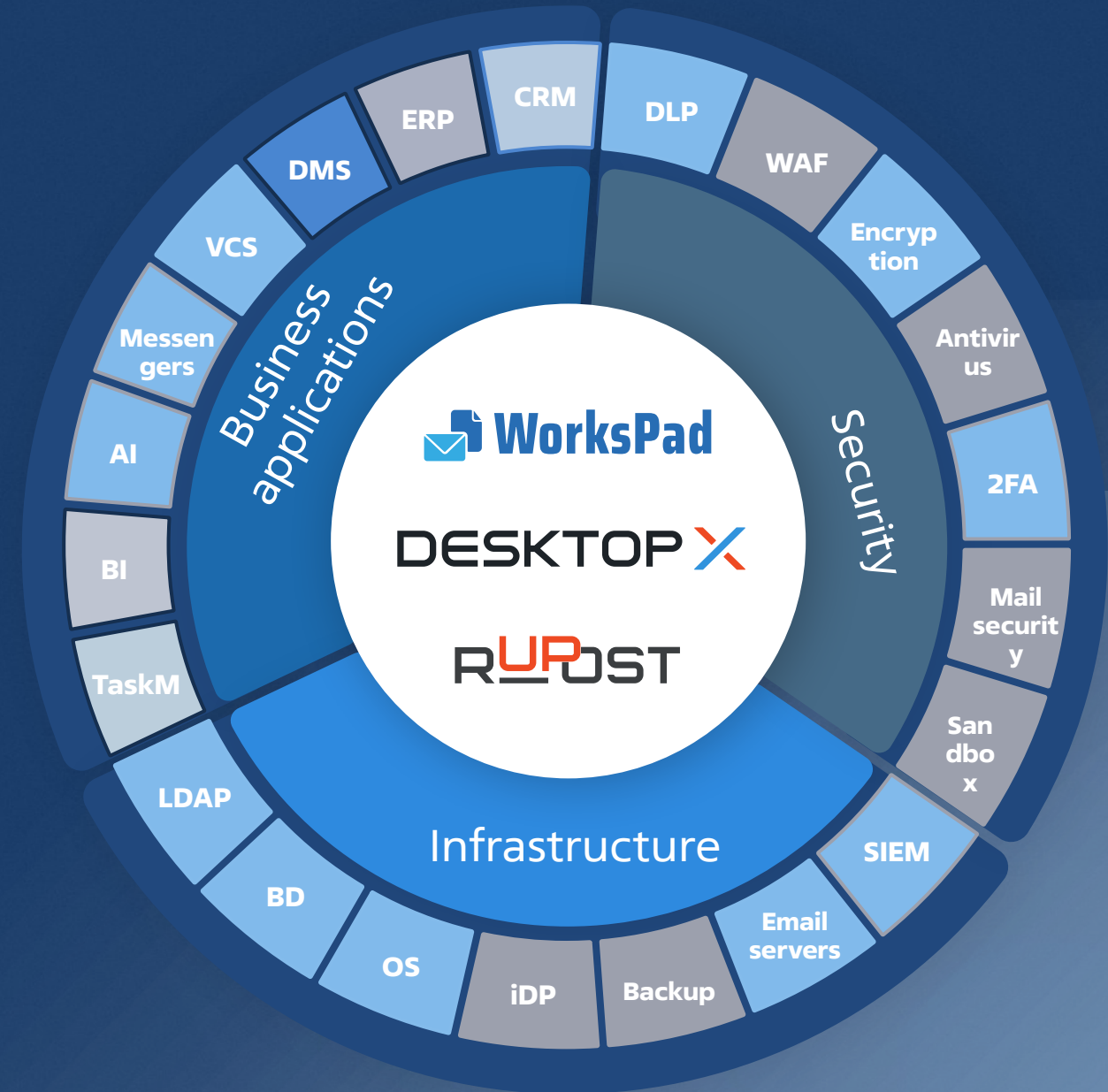
## Operates across any IT environment

Integration with most security solutions

## Integration with UC and business applications

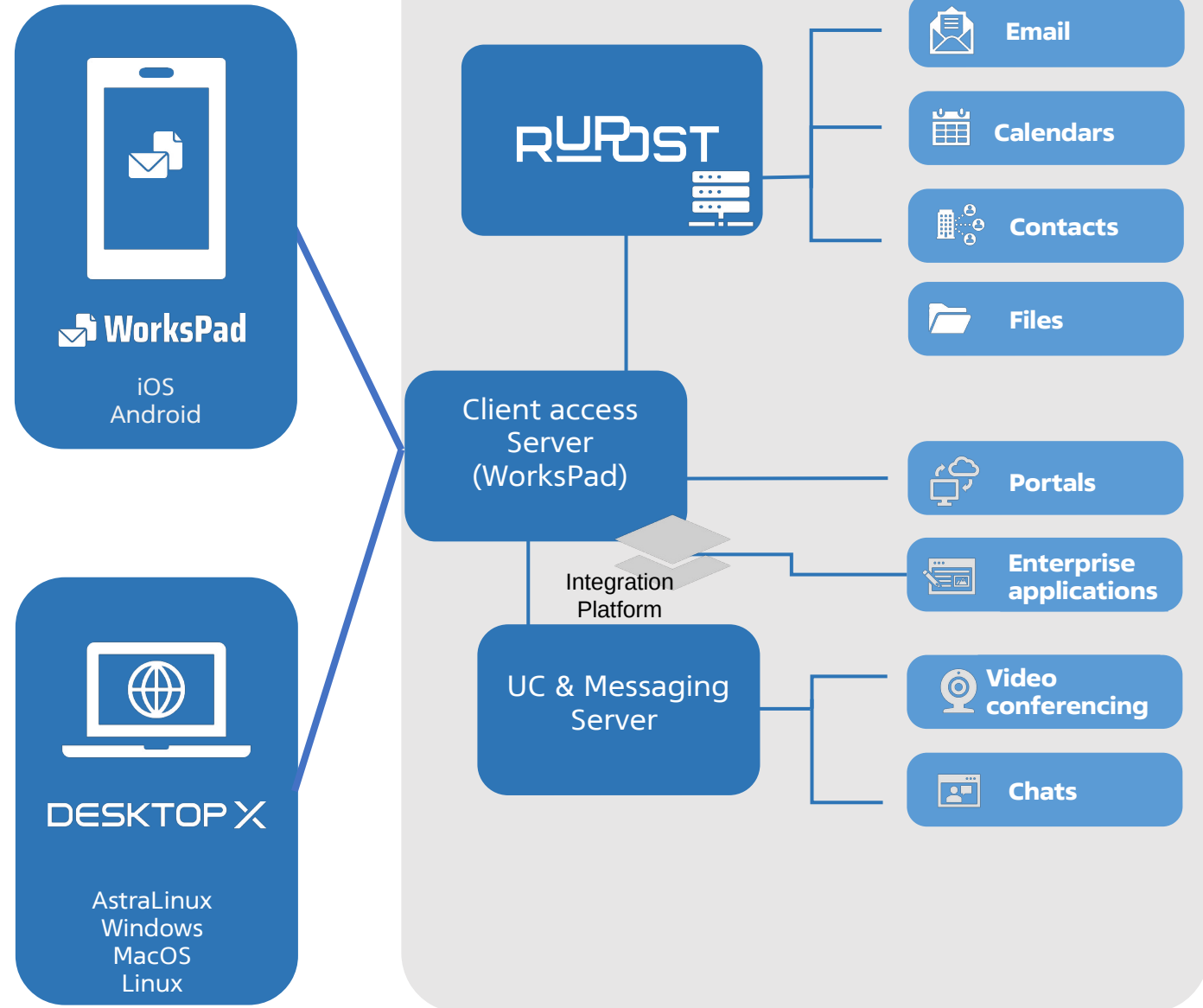
**40+**  
out-of-the-box integrations and embedded solutions

**50+**  
planned & in development



# The Recipe for a Great Digital Workplace

- Cross-platform support across all major OS
- Application containerization
- Security policies
- Sync (Messenger, Video conference) & async (Mail) communications
- Native App
- SuperApp & lightweight extension through PWA
- Unified access



# WorksPad Benefits for



## CS: Corporate strategy

- All data is in the perimeter of the organization
- Integration with DLP, SIEM, VPN
- Dozens of policies
- Role model
- Corporate application marketplace
- Additional encryption



## Business: Productivity

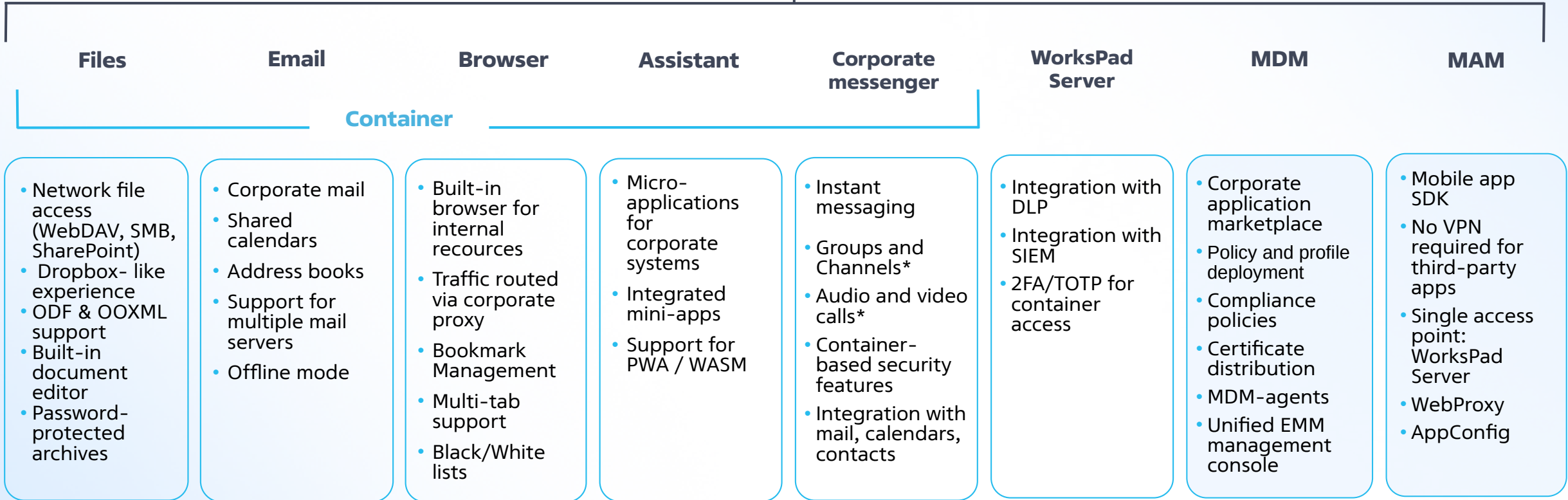
- Additional working hours
- Minimizing the risks of leakage and unauthorized access
- Effective use of mobility
- Increasing employee satisfaction
- Separation of personal and corporate on a mobile device
- Process optimization and acceleration



## IT: Ease of deployment

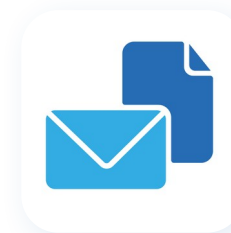
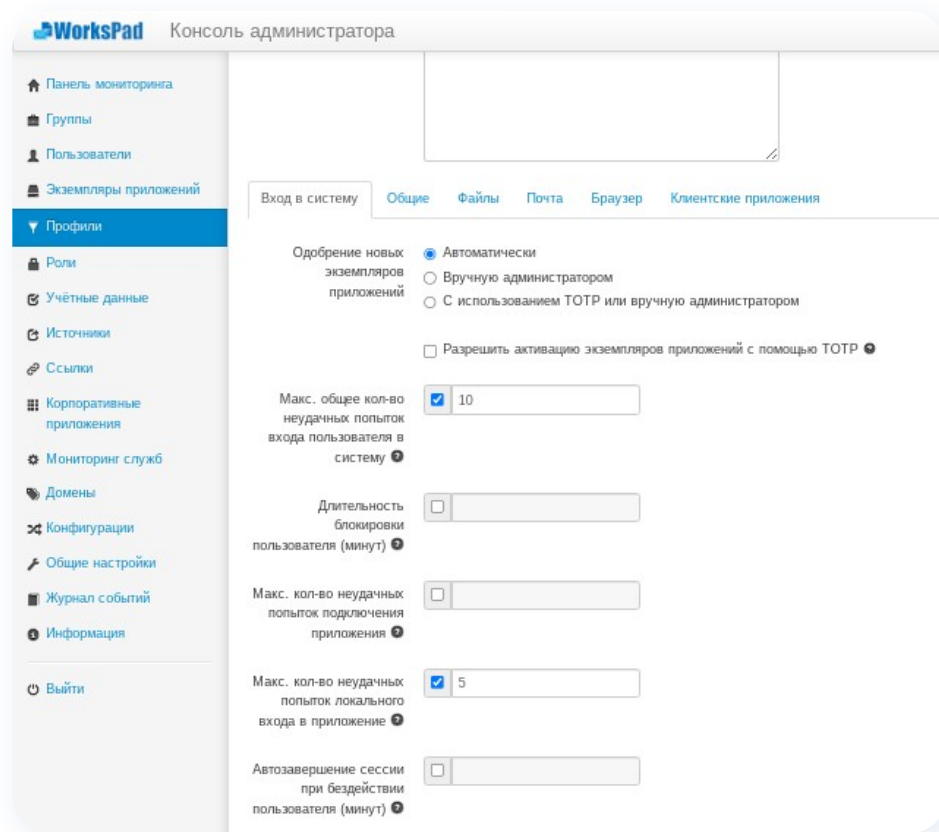
- A boxed solution with a single management console
- Scalability, clustering
- The ability to expand the functionality of the container
- Easy administration of the mobile device fleet
- Delivery of policies, certificates, and settings to mobile devices
- The Astra Group ecosystem with unified technical support

# WorksPad EMM



# Unified Enterprise Mobility Management Console

## WorksPad Administration Console



Container WorksPad



Micro Apps & Mini Apps



MDM and MAM

# WorksPad Editions and Licensing

Functionality	Container					MDM	EMM Container + MDM	
	WorksPad	WorksPad Core	WorksPad File	WorksPad Assistant	WorksPad Link*		WorksPad EMM	WorksPad Core EMM
Email, calendars, address books	+	+					+	+
Mobile access to corporate network data	+	+	+				+	+
Mobile access to the personal work files	+	+	+		+		+	+
Office (Editors)	+	+	+		+		+	+
Messenger and calls					+			
Secure Browser	+	+					+	+
Micro-application platform	+			+			+	
MDM						+	+	+

# Digital Workplace from Astra Group

DESKTOP X

RUPOST

 WorksPad

# Product Synergy

RUPOST

RUPOST

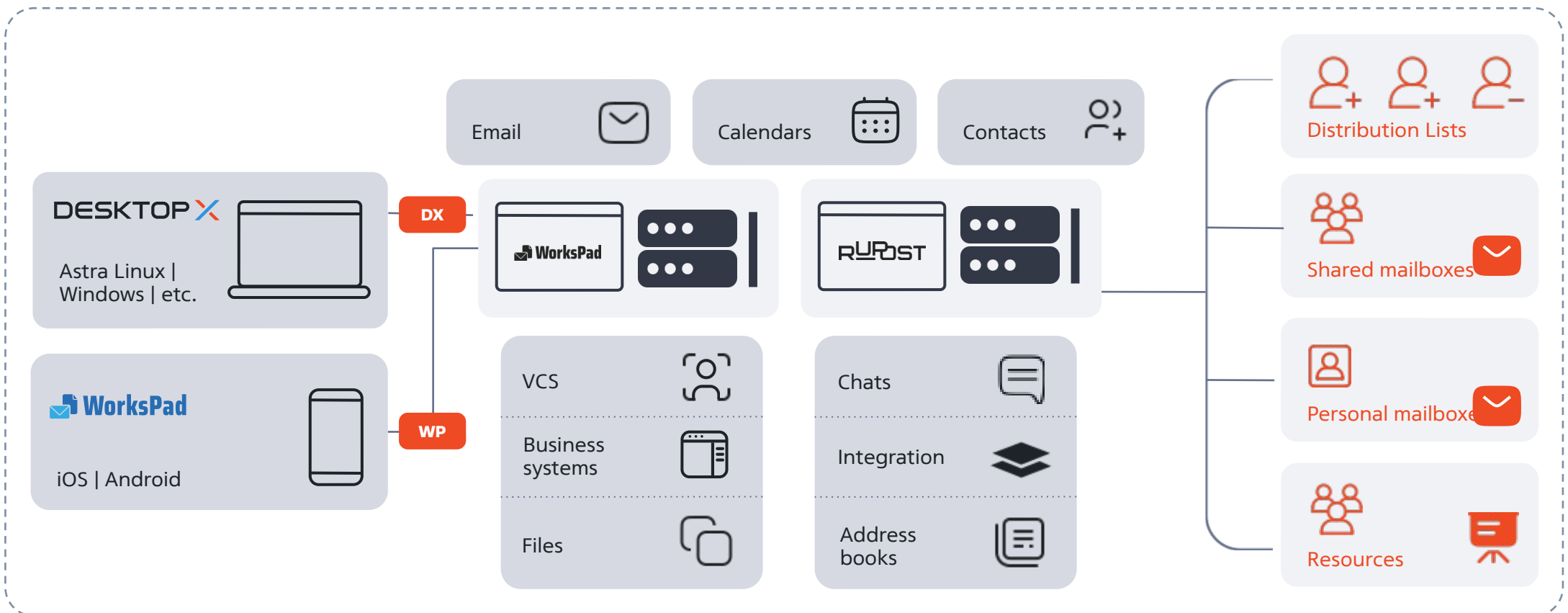
Email Server

DESKTOP X

Cross-platform Email Client

WorksPad

Mobile container application for secure access to corporate data



# Desktop X

## Full-featured Cross-platform Email Client

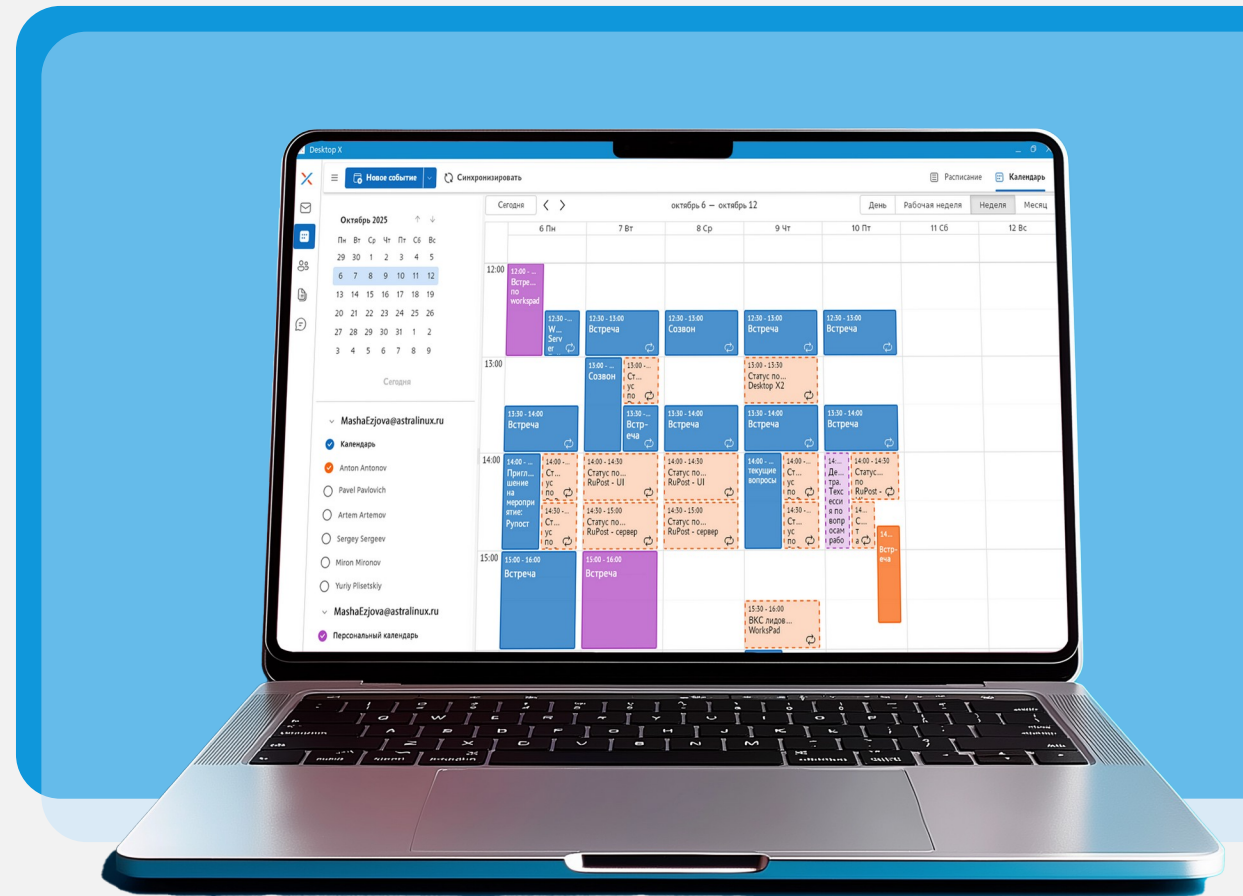
- Built-in corporate mini app marketplace
- Restrictions on adding public email accounts and using open email protocols
- Control over email access permissions for specific users



# Desktop X

## Full-featured Cross-platform Email Client

- Outlook-alike user experience
- Flexible integration with VCS, messaging and other corporate resources
- No VPN required





# Enterprise Mobility Management with WorksPad

