

APPLICATION PROGRAM INTERFACE

www.idcubesystems.com

**ACCESS360
WEB SERVICE API**



ACCESS360 WEB SERVICE API

The IDCUBE's Access360 Web Service API provides a framework to build services based on HTTP that can be accessed by third party applications to push and pull the information

WHY USE WEB SERVICE API?

- **Cross platform behavior**
Web Service API is a platform independent way to communicate data between Access360 and third party systems in standard formats like SOAP(Simple Object Access Protocol), XML, JSON
- **Easy integration & deployment**
Web service API is easy to integrate and deploy as there is no additional library/ binaries involved. The WSDL (Web Service Description Language) is sufficient for integration and only Web Service URL is enough for deployment
- **Easy to test**
Web Service API methods are easy to test using any standard freeware tools like SOAP UI
- **Privacy & Security**
The optimized service methods in Web Service API offers better performance and security. Hence there will be minimal impact on the system performance

USAGE OF ACCESS360 WEB SERVICE API

Access360 Web Service API can be seamlessly integrated with third party systems and allows smooth execution of the following tasks:

- HRMS systems like SAP can push employee data to Access360
- HRMS can pull employee attendance logs from Access360 for payroll processing
- Command & control systems can pull alarm logs for real time monitoring of events
- Any third party system can pull historical events data for reporting and analytics
- Acknowledge an alarm and add remarks

SECURITY OF ACCESS360 WEB SERVICE API

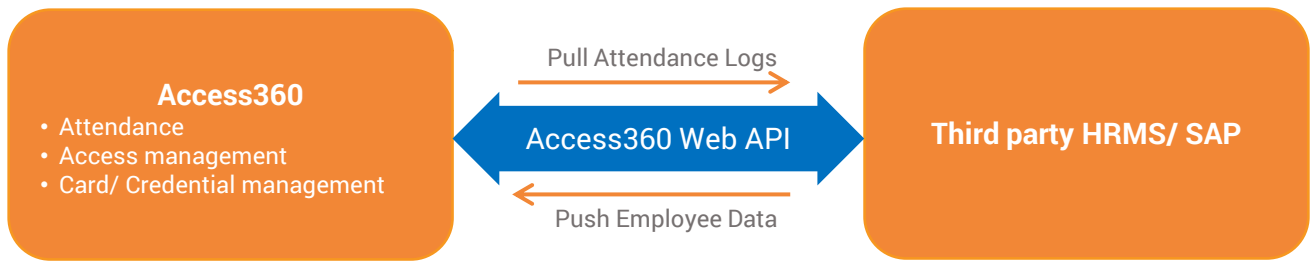
- Access360 Web service API works on HTTPS and supports TLS 1.1/ 1.2 ensuring privacy and security
- Visibility of alarms/ events can be restricted to the privilege of user calling the service methods

IMPLEMENTATION OF ACCESS360 WEB SERVICE API

CASE1

Integration with HRMS and Payroll System

1. The Web Service API allows easy integration of third-party HRMS or an ERP app such as SAP with the Access360 platform. The HRMS administers employee' details and activities, and the same is automatically pushed to the Access360, using the Web Service API methods



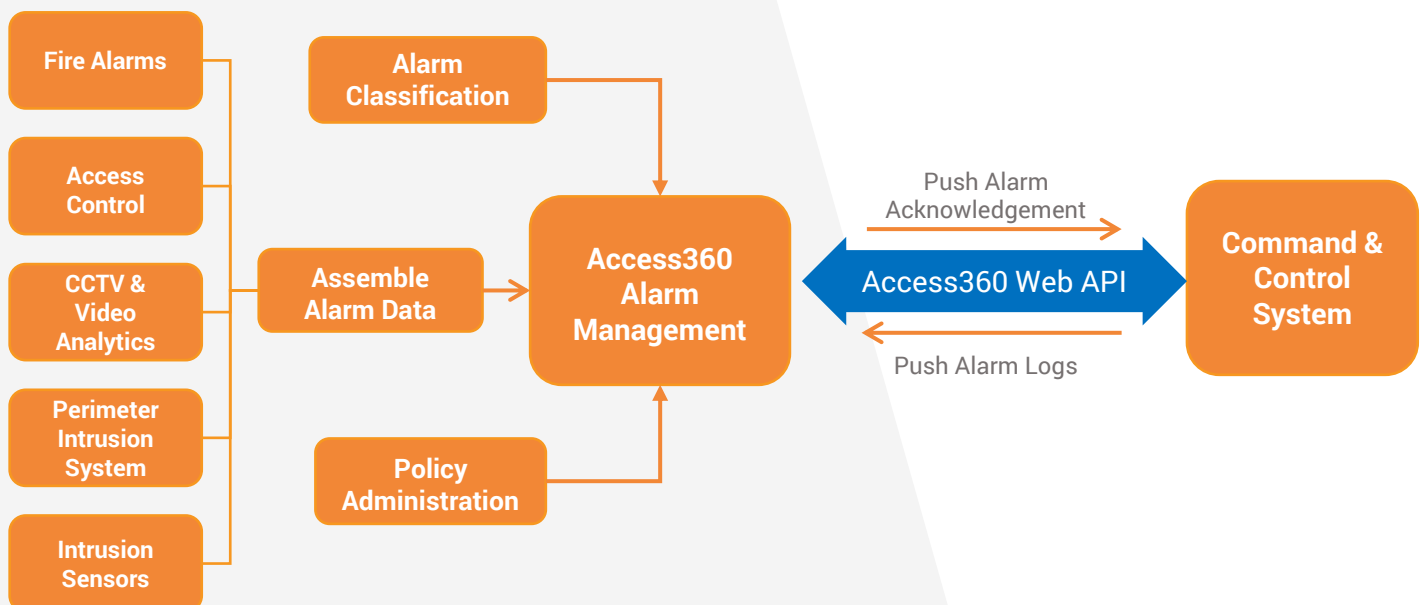
Case 1: Web API integration with HRMS/SAP

- The administrator then undertakes access control related tasks such as device management, access rights management, card/credential management in the Access360 platform.
- For payroll processing, the HRMS system pulls attendance logs, through the Web API methods.
- Few of the end customers with successful integrations of Access360 Web APIs with HRMS/SAP are CICP(Indian Army), Mithibai College (Mumbai), Expo2020 (Dubai) etc.

CASE2

Integration with Command & Control System

- An important task of Access360 platform is to issue and manage employee, visitor, and vehicle credentials as well as sensor inputs. Access360 platform captures alarm logs (Access Grant, Access Denied, Alarm input)
- The information is then pushed to a third party command control system using the Access360 Web API, for centralized real-time monitoring.
- Command & Control application may choose to acknowledge back certain alarm types
- Customers with successful integrations of Access360 Web APIs with Command & Control application are Pegasus (Australia), and Nagpur Metro.



Case 2: Web API integration with Command & Control System



IDCUBE is uniquely positioned as a comprehensive physical security solution provider via its Access360 software suite for organizations of all sizes. The Access360 platform helps in managing personnel access, vehicle access, attendance, visitors, contractors, cafeteria usage, asset tracking, video management, video content analytics, LPR/NPR and more.

We are trusted by large businesses and SMEs across industries. IDCUBE is an industry leader in installing and maintaining comprehensive security solutions. We work with some of the most acclaimed global system integrators and solution providers. IDCUBE's distributor and channel partner network now has over 300 active businesses and this number is growing at a fast pace because of the opportunities our partners see in working with us.



INDIA

Corporate Office

B-19, Sector-2,
Noida- 201301
(U.P.) INDIA
Tel. : +91-120-4130715

Delhi

A-18, Kotla Village
Extension,
Delhi-110091
INDIA

Bangalore

#20, 1st floor, 3rd Cross,
Malleshwaram,
Bangalore-560003,
Karnataka, INDIA
Tel.:+91-80-23564241/42

UAE

IDCUBE - FZE

Techno Hub 1 – Office G 042
Dubai Silicon Oasis
Dubai, UAE
Tel. : +971-555512541

Email: contact@idcubesystems.com | Website: www.idcubesystems.com