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# Context Aware Data Leakage Prevention for Mobile Devices

## Goals

Today's smart mobile devices are able to access a variety of private data. The data may be collected by the device from its environment (e.g., via the microphone), stored in the device's long-term storage, or retrieved from the cloud using credentials that are stored in the device. This valuable data may be stolen by attackers by installing a malicious application.

Protecting smartphones from data leakage is particularly important as the policy of "Bring-Your-Own-Device" gains popularity lately.

## Description

The project is shared among two universities: BGU and the Technion.

An innovative and generic context-based data leakage prevention system is used to detect attempts to leak information from the device.

The system uses machine-learning techniques and learns the context in which each type of data is being sent from the device.

The context derivation is based on information that is collected by the mobile device sensors such as location and accelerometer.