USING APPLICARE › USER EXPERIENCE MONITORING

Monitoring performance for Android mobile apps

Applicare 10.0 · Updated September 13, 2024 · **Pending technical review**

Applicare Mobile Application Tracker offers a solution for real-time monitoring of your mobile applications, with a distinctive feature for tracking live business transactions. The Applicare tracker is a robust service equipped with features like real-time request tracking, activity path tracking, geo-tracking and much more.

One of the advantage developing a mobile app is the ability to quickly distribute updates, ensuring that your entire user base is always using the latest version of your app. If you weren't previously monitoring your code, you can effortlessly implement Applicare tracker, deploy it, and begin collecting metrics within minutes.

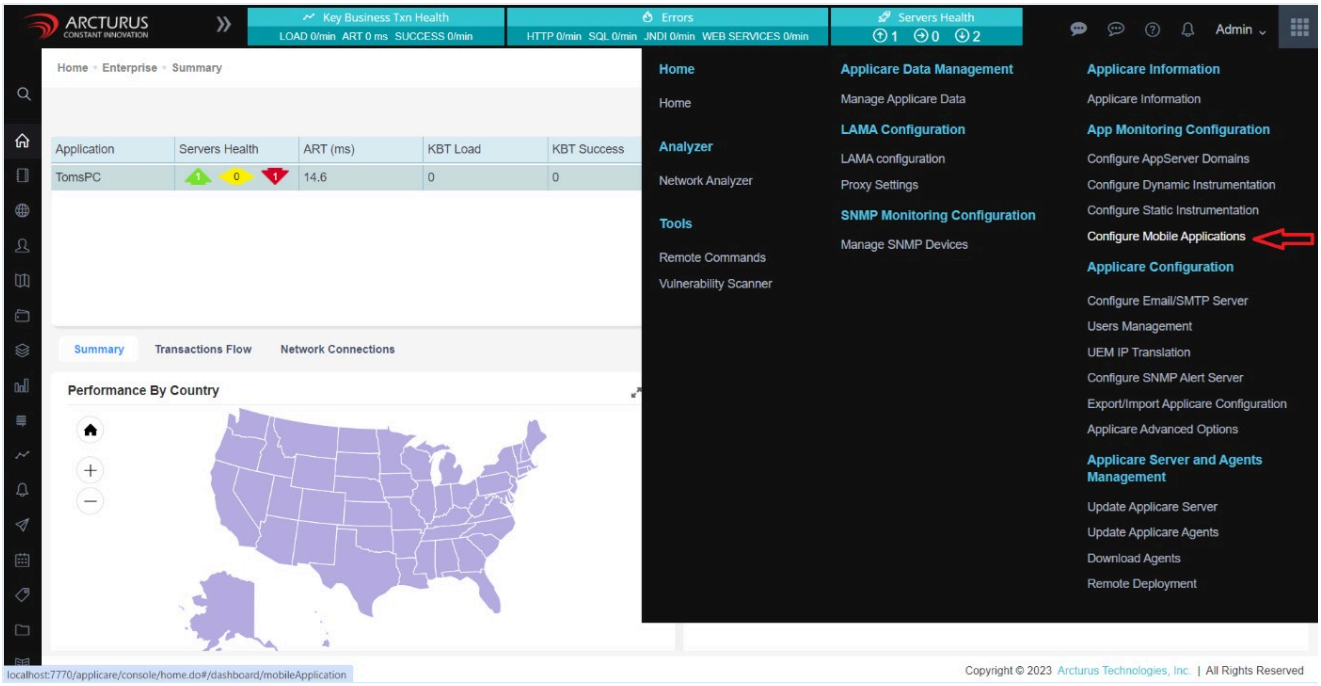
Why choose Applicare Mobile Application Tracker?

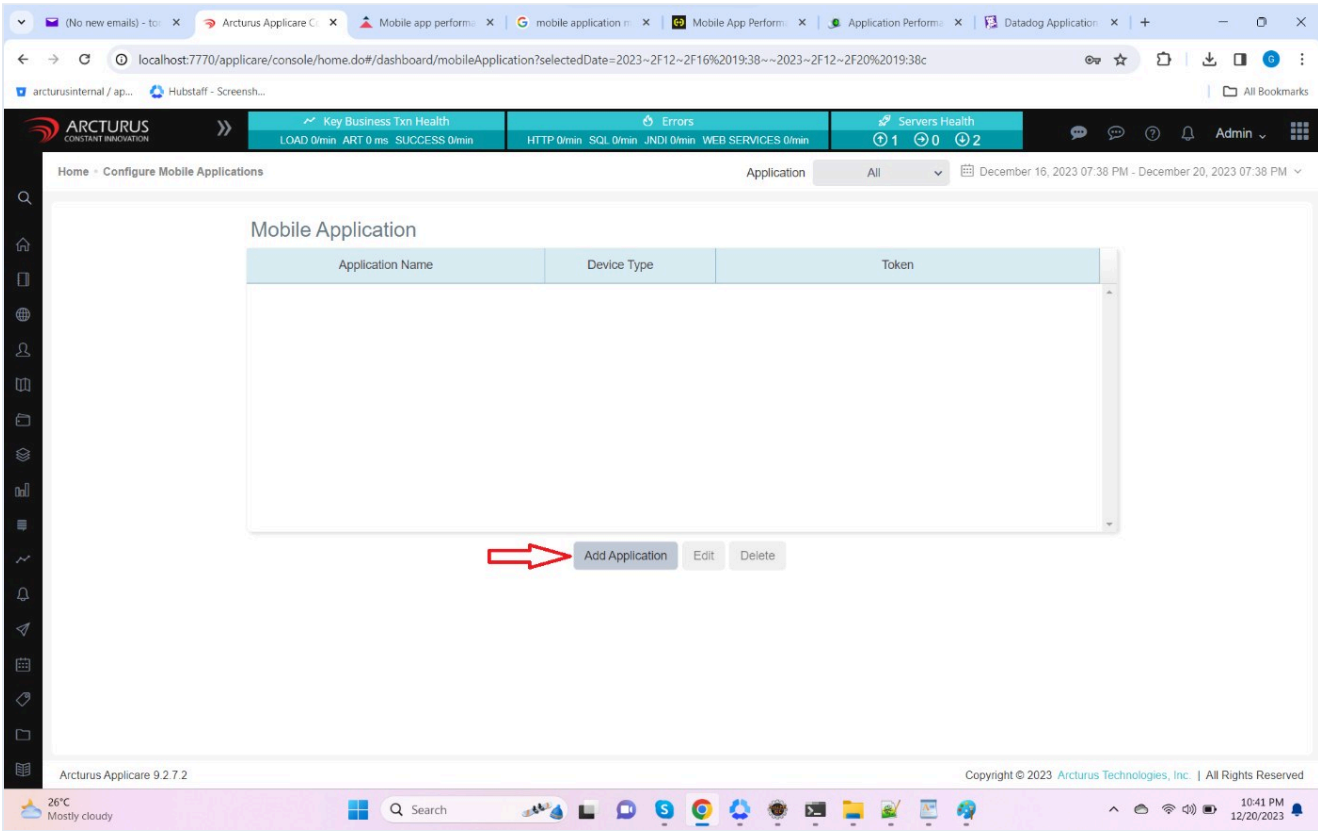
- Ease of installation.
- Easily integrates with any Android application.
- Track real user interactions for comprehensive insights.
- Business Transactions features allows you to capture performance statistics and optionally set SLAs for Android methods calls and track individual execution of transactions with performance stats and call graphs.
- Demographic characteristics of users.
- Visualize user locations.
- Auto detect the root cause of performance degradation and server failure.
- Generate scheduled reports to keep you aware of performance issues.
- Analyze detailed historical server information, even pre-crash conditions.

Steps to Integrate Applicare mobile tracking agent

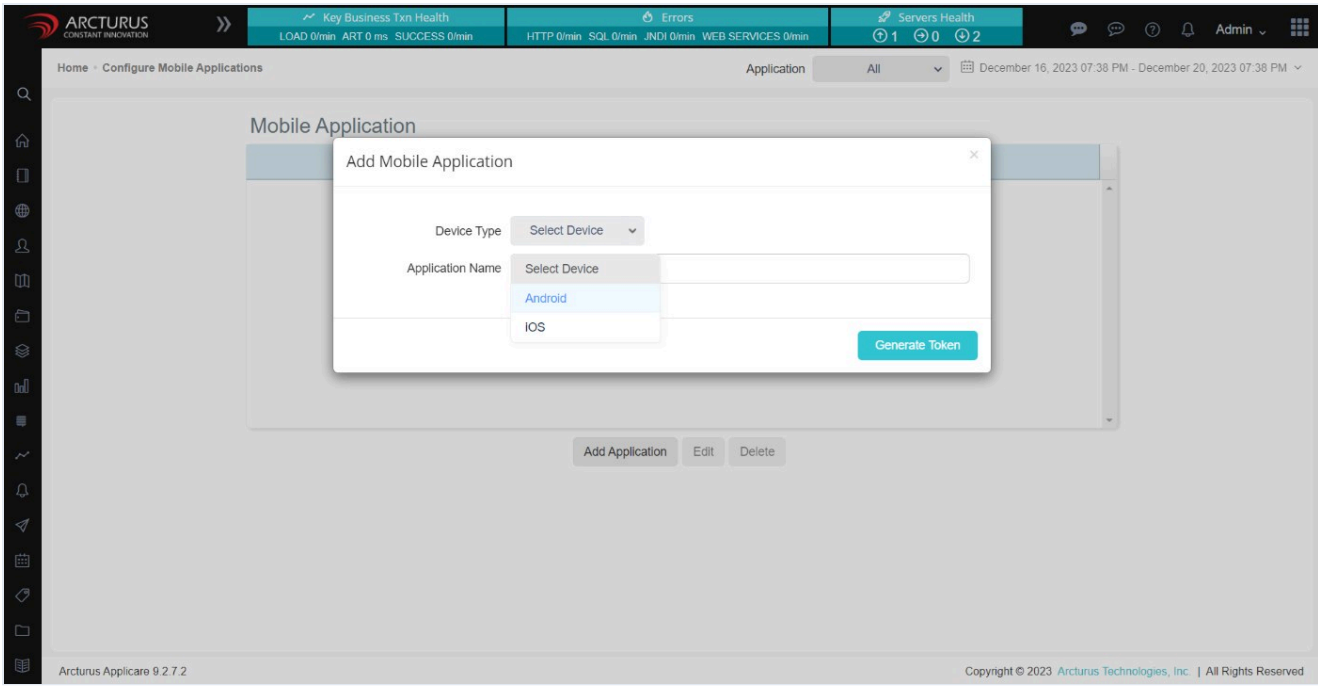
Generate a Token and Download the Applicare Android SDK Agent

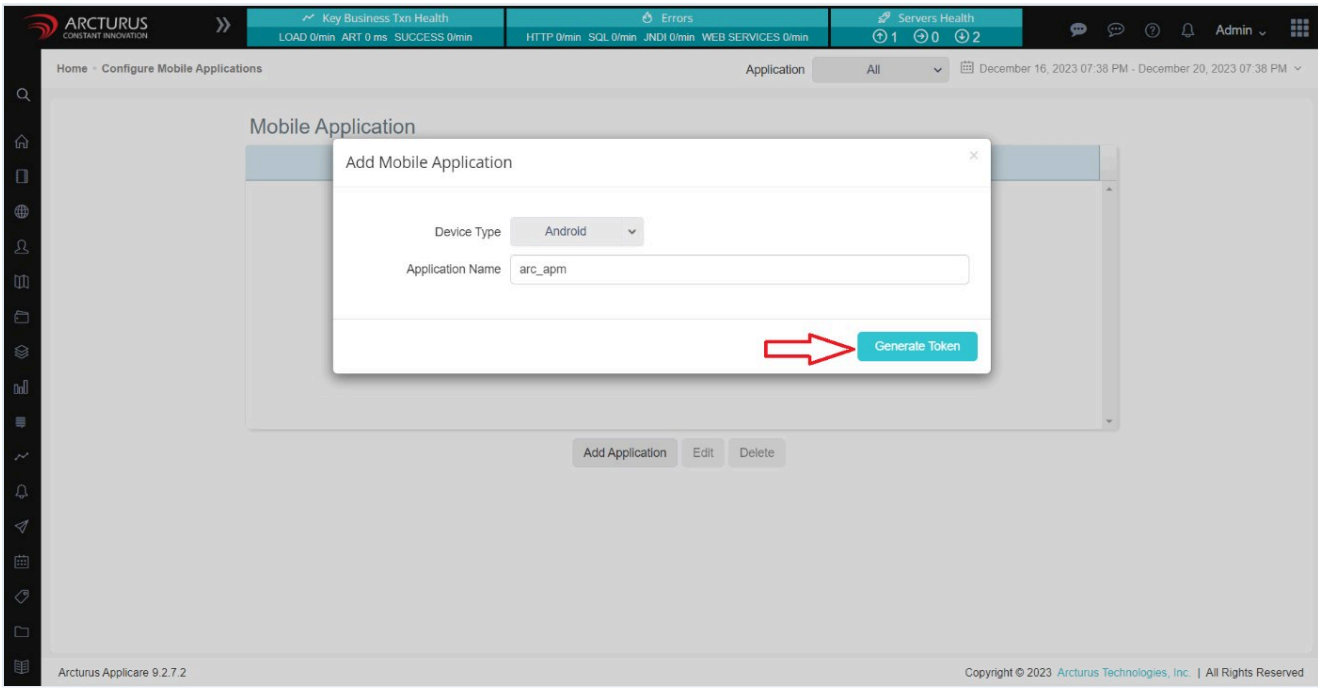
- Log in to your Applicare Admin Console.
- Access the menu in the top right corner and navigate to the "Configure Mobile Application" screen.

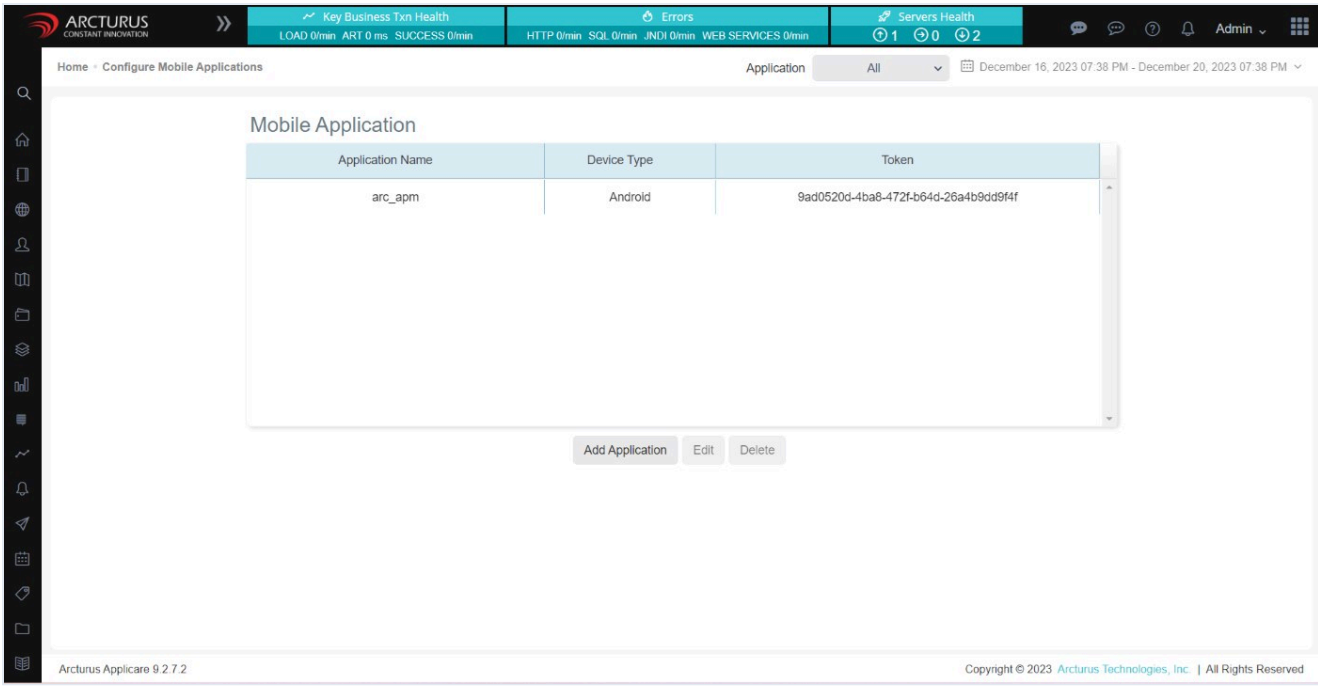




- On the "Configure Mobile Application" screen, select "Android" from the dropdown menu. Enter the application name and click the “Generate Token” button. A token will be generated; be sure to copy and save it for future use.


ARCTURUS
CONSTANT INNOVATION
Key Business Txn Health
LOAD 0/min ART 0 ms SUCCESS 0/min
Errors
HTTP 0/min SQL 0/min JNDI 0/min WEB SERVICES 0/min
Servers Health
1 0 2
Admin
Home • Configure Mobile Applications
Application All
December 16, 2023 07:38 PM - December 20, 2023 07:38 PM
Mobile Application
Add Mobile Application
Device Type Select Device
Application Name Select Device
Android
IOS
Generate Token
Add Application Edit Delete
Arcturus Applicare 9.2.7.2
Copyright © 2023 Arcturus Technologies, Inc. | All Rights Reserved


ARCTURUS
CONSTANT INNOVATION
Key Business Txn Health
LOAD 0/min ART 0 ms SUCCESS 0/min
Errors
HTTP 0/min SQL 0/min JNDI 0/min WEB SERVICES 0/min
Servers Health
1 0 2
Admin
Home • Configure Mobile Applications
Application All
December 16, 2023 07:38 PM - December 20, 2023 07:38 PM
Mobile Application
Add Mobile Application
Device Type Android
Application Name arc_apm
Generate Token
Add Application Edit Delete
Arcturus Applicare 9.2.7.2
Copyright © 2023 Arcturus Technologies, Inc. | All Rights Reserved



- Download the Applicare Android SDK agent.

Integrating the Applicare Agent into your Android Project

- Place the ApplicareMobileTracker.aar file into the **libs** folder under the **library** directory of your Andriod app project.
- Open the build.gradle file located in the **app** folder and add the necessary dependency.

```
TEXT
dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    compile 'ApplicareMobileTracker.aar'
}
```

- Open the activity class where you want to track load time. In the onCreate() method, create an instance of the TesFactoryMethod Class.

```
TEXT
public class MyApplication extends Application {
    @Override
    public void onCreate() {
        super.onCreate();
        TestFactoryMethod.passtoken("XXXXXXXXXXXXXXXXXXX");
        //call applicare method
        TestFactoryMethod.getStartTime();
    }

    @Override
    public void onResume() {
        super.onResume();
        TestFactoryMethod.getEndTime();
        TestFactoryMethod.sendDetails(MyApplication.this);
    }
}
```

- Build and install the updated Application.
- Log into the admin console to monitor your Android app's performance.

Monitoring with Applicare