

PLTcloud



PLTcloud is a cloud-based service to manage Production Line Tools (PLTs). It is designed to serve the needs of developers throughout the product life cycle. Test results from the production line can be seen directly in the PLTcloud interface.

What is the PLT?

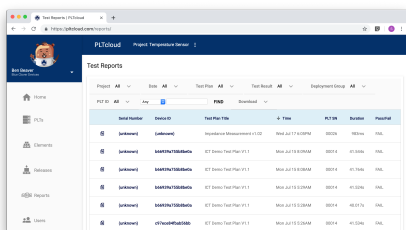
"PLT" stands for Production Line Tool. It is an Internet-connected box that does the following:

1. Loads firmware images into devices.
2. Runs automated tests.
3. Logs the results in the cloud.

Multi-user

Multiple user accounts can be setup within an Organization on PLTcloud, allowing collaboration with multiple team members.

Test Reports



PLT ID	Test Plan	Test Result	Test Date	Test Time	Test User	Test Status
PLT001	Test Plan 1	Pass	2019-10-08	10:00:00	admin	Pass
PLT002	Test Plan 2	Fail	2019-10-08	10:05:00	admin	Fail
PLT003	Test Plan 3	Pass	2019-10-08	10:10:00	admin	Pass
PLT004	Test Plan 4	Pass	2019-10-08	10:15:00	admin	Pass
PLT005	Test Plan 5	Pass	2019-10-08	10:20:00	admin	Pass

Individual test reports, generated from PLTs, can be accessed immediately through the PLTcloud web interface, and downloaded as CSV, JSON or PDF.

Data Connectors

Currently, out of the box, we support data connectors to AWS S3. These can be configured through PLTcloud to automatically store test reports.

Test Plan WebHooks

PLTcloud can be used to configure project-specific webhooks that can be invoked from the PLT during test plan execution to retrieve device-specific information such as serial numbers.

Release Deployment

Release elements (firmware and test plans) can be deployed to PLTs worldwide through the PLTcloud console.

CI/CD Integration

Instead of manually uploading release elements through the PLTcloud web interface, PLTcloud can be used to set up automatic CI/CD integration to automate the deployment of releases.

Deployment Groups

PLTs can be grouped in "Deployment Groups", allowing the same release to be easily deployed to a set of PLTs.

Security

PLTcloud is implemented using industry-standard security.

- OAuth2: All transactions are protected with OAuth2 session keys
- TLS 1.2: All Cloud communication, including deployment of firmware and reporting of test results are protected using TLS1.2 mutual authentication.
- Multiple account roles: Distinct Administrator, Manager and Viewer access roles

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For more information

Visit plt.bcdevices.com or contact us at plt@bcdevices.com.

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