

Drona – Mobile/Blackberry Training.



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1.0 Introduction

The world has witnessed the evolution in learning and training space from Boards & Chalks to Books and then to computers (E-Learning). With the advent of mobile wireless devices, the world is becoming increasingly mobile. To stay abreast with the world, organizations are now rethinking on how to develop and deliver content to their employees or students quickly and in most cases on their hands. Large numbers of companies are realizing that if their reps are on roads then their training and communication need to be mobile too. Most organizations are hence turning to blended learning with Mobile Learning as a key component.

Organizations are becoming more geographically distributed while their sales/product teams are becoming increasingly tech savvy, therefore many companies are taking advantage of these new technologies and distributing information consistently to ensure attention and retention.

“Drona” is a new age tool to cover 360 degrees of learning feedback cycle – Authoring (Mobile or Blackberry), Delivering, Testing, and Scoring & Analysis. Drona – Mobile/Blackberry training is designed to cater to Training companies and corporates. It enables organizations to author Mobile/Blackberry training applications in their own infrastructure without acquiring any technical know-how.

2.0 Why M-Training or Blackberry Training (B-Training)

In the current scenario where time is critical and training needs are a constant, Blackberry based corporate training (B-Training) is an apt tool for time-pressed high/mid profile corporate executives. Most of the senior management employees struggle to find time for desktop based or classroom training and knowledge updation as they are committed to their busy scheduled work. Moreover, with an acute shortage of trained individuals, growing training needs, and strict timelines, M-Training is well suited to be part of a blended learning model. The best thing about M-Training is that it is real-time, supports learning on the move, is self-paced and literally in the learner's hand.

B-Training tool is an attempt to transform Blackberry phones into classrooms on the move, offering information on demand via text, info-graphics, video, audio, tests etc. In simple terms, B-Training is the art of using mobile technologies to enhance the learning experience. This concept of training marks a turning point in the online training industry, which was so far limited to either Web-based or virtual classrooms.

The most important feature which defines B-Training is mobility that enables 'information on demand', which is the ability to access information wherever you are and whenever you want. B-Training provides personal learning on the move. With increasing competition, businesses are seeking for ways to win the rat race by disseminating information accurately at a faster pace and hence saving time and cost have become top concerns.

3.0 M-Training or B-Training offerings

B-Training, as we demonstrate, can be envisaged into multiple flavors of offerings.

- ✚ **Micro Tests with scores and analysis:** All corporate exams or assessments can be bundled and pushed to the Mobile users. The scores and its analysis are given at the end of the test and integrated with the backend servers for WACC analysis. WACC – Weighted Average Capability of a Class is an innovative performance indicator evolved from the statistical mathematics in the Labs of Deltecs. It empowers you to track the performances of your employees per Office, per team, per module etc.
- ✚ **Information delivery (important announcements, alerts etc):** Important information or announcements can be pushed to all or the selected employees at one go.
- ✚ **Corporate presentations (PPTs):** Corporate desktop-presentation is converted into Mobile/Blackberry based application-presentation and pushed to the selected users.
- ✚ **Audio and video based training:** Training Audio or videos, meeting recordings, seminar recordings can be pushed the selected users.
- ✚ **Pod-casting:** Employees can subscribe to their favorite topic and only those training material is pushed to their Mobile phones.
- ✚ **Product Training:** New product launch or existing product training material is converted into Mobile application and pushed to the selected group of employees.
- ✚ **Sales training:** Organizations with large-distributed sales representatives struggle to reach them effectively when they have to communicate new products launches or other announcements. We understand the sales process and the sales training processes to help them with mobile-technology enabled training.
- ✚ Synopsis
- ✚ Performance Analysis
- ✚ Utilities (contact helpdesk, ask questions over the air, book orders etc)
- ✚ Delivery and Tracking

Per different application, content needs to be modeled and engineered for apt delivery on the phone.

4.0 Product Overview

4.1 FUNCTIONAL OVERVIEW

Drona has three components:

- Drona Authoring tool
- Drona Mobile/Blackberry training applications
- Drona BI engine

Authoring tool: Drona provides authoring tool for delivering Mobile/Blackberry training applications.



Authoring tool caters to following content type:

- a. Text
- b. Graphical images
- c. Audio/Video

Authoring tool allows you to make your own applications/assessments. The application can be now distributed to the target audience. Once created, Blackberry applications are distributed using BES (Blackberry Enterprise Server) application PUSH utility.

Mobile/Blackberry Training Applications: Once Blackberry application is created using authoring tool, it can be distributed using application PUSH utility of BES. The UI of the training application is designed keeping in mind the user fraternity. Scores and analysis of the test can be checked on the phone itself after finishing the Test. Scores are sent back to the servers for further relative performance analysis.

Some Screenshots:

Select Start Test



Give Test (MCQ based)



Analyze score/performance



BI (Backend Business Intelligence): Results of the test taken will be taken up for analytical purpose by the BI engine. This will be responsible for generating reports of the performance of the participants. BI engine is a sophisticated hosted application that has interfaces open to allow Mobile/Blackberry test participants to punch their scores in.

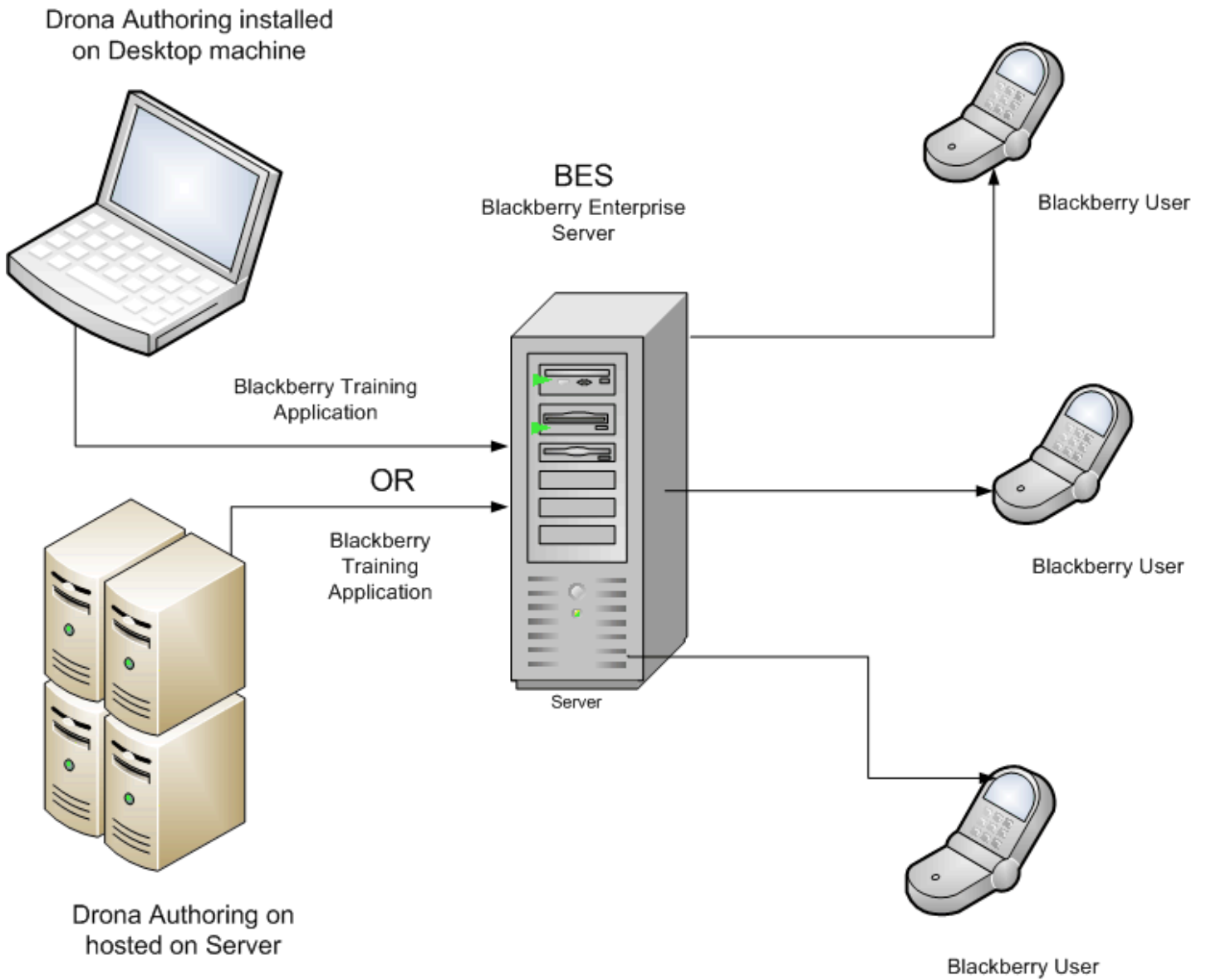
Different reports are generated by the system:

- a. Collated performance of participants
- b. Subject wise performance of the participants
- c. Topic wise performance of the participants.

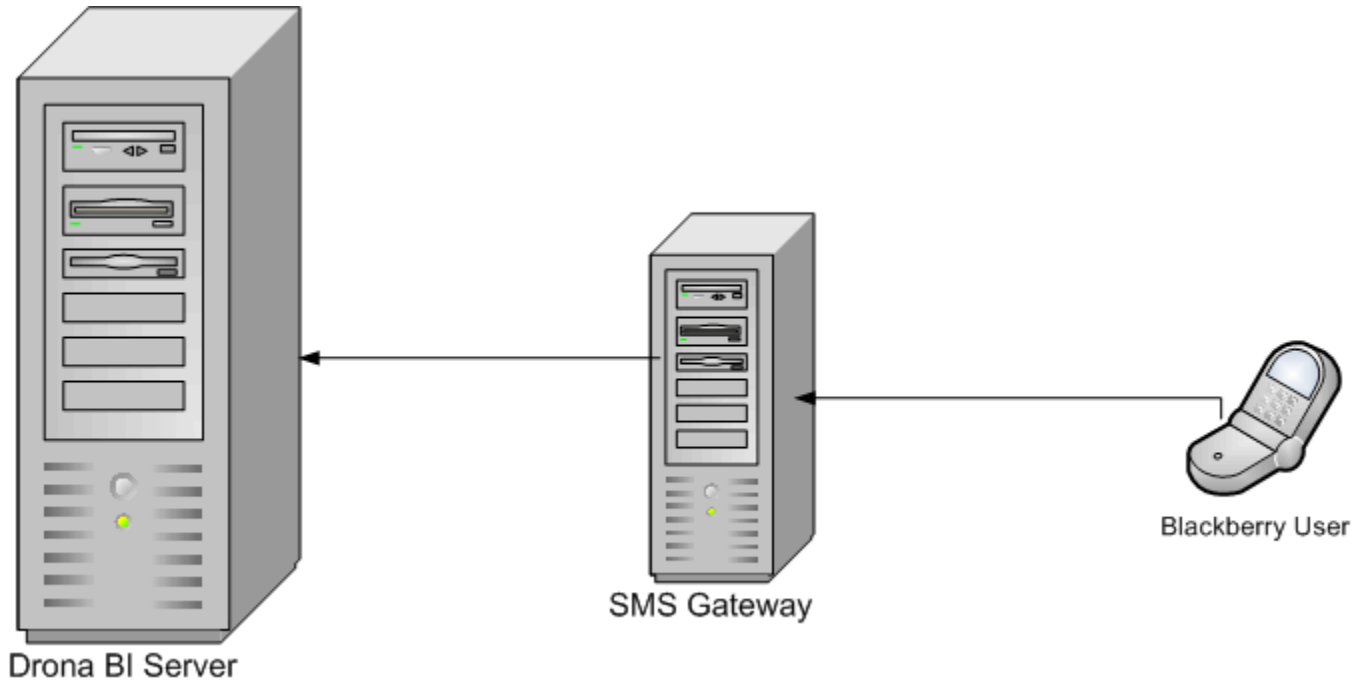


4.2 ARCHITECTURE OVERVIEW

APPLICATION CREATION AND DISTRIBUTION



DRONA BI / SCORE-FEEDBACK ARCHITECTURE



4.3 FEATURES

- Simple UI to create your Mobile/Blackberry application
- Set your own features of test – replay/scoring/analysis/multiple attempts
- Preview the assessments/applications in a sandbox before publishing
- Upload bulk tests from Microsoft word or notepads
- create multi-content type tests
- Create Bulk Tests.

4.4 BENEFITS

- Make better decisions
- Cut your costs of creating and then analyzing the tests
- No third party dependency
- No mobile skill-sets required, can be operated by a layman.

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