

# STYONS SOFTWARE

GREAT CODE, GREAT PURPOSE

## Blackbaud Internet Solutions (BBIS) SDK Training Agenda

| Day One - Getting Started |                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 12:00                | Install and configure BBIS<br>Definition of terms: Stylesheets, Layouts, Templates, Pages, Parts<br>Overview of commonly used OOB parts, demonstration of independent part preferences<br>A "Hello, World" custom part. |
| 12:00 1:00                | Lunch                                                                                                                                                                                                                   |
| 1:00 5:00                 | Creating a custom editor<br>Discussion of editor preference data structures - database location and serialization<br>The language tab and language API<br>Complex editor preferences<br>Review and Q&A                  |

| Day Two - CRM Integration Options |                                                                                                                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 12:00                        | Overview of CRM integration options: BBIS APIs, BBMetalWeb, Endpoints, Direct access<br>The BBIS API (specifically, user management and login)<br>BBMetalWeb (Create, Read, Update, Delete examples) |
| 12:00 1:00                        | Lunch                                                                                                                                                                                                |
| 1:00 5:00                         | Infinity API calls from BBIS (Create, Read, Update, Delete examples)<br>Direct write (Create, Read, Update, Delete examples) - discuss sql injection<br>Review and Q&A                               |

| Day Three - Batches |                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:00 12:00          | Creating a batch from a custom part<br>Writing to batch from a custom part (1) - Basic write<br>Writing to a batch from a custom part (2) - Collection fields, code tables, and searchlists    |
| 12:00 1:00          | Lunch                                                                                                                                                                                          |
| 1:00 5:00           | Batch management between BBIS and CRM: Overview of Mediated vs Fixed Schedule<br>Batch management: Fixed schedule implementations<br>Batch management: Mediated implementations<br>Review, Q&A |

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### Day Four - Merge fields and Email

|       |       |                                                                                      |
|-------|-------|--------------------------------------------------------------------------------------|
| 8:00  | 12:00 | Overview of Merge Fields and the HTML Editor control                                 |
|       |       | Single-level merge fields                                                            |
|       |       | Looping merge fields                                                                 |
| 12:00 | 1:00  | Lunch                                                                                |
| 1:00  | 5:00  | Privacy and Unsubscribe Pages                                                        |
|       |       | Sending emails with merge field data (email server configuration)                    |
|       |       | Sending emails with merge field data (binding your data to the email and sending it) |
|       |       | Review, Q&A                                                                          |

### Day Five - Modifying OOB behavior, Troubleshooting guides, and Miscellaneous advanced topics

|       |       |                                                                    |
|-------|-------|--------------------------------------------------------------------|
| 8:00  | 12:00 | Overview of BBIS extensibility model                               |
|       |       | Meddler parts - modifying OOB behavior through hidden custom parts |
|       |       | The Test Config page                                               |
| 12:00 | 1:00  | Lunch                                                              |
| 1:00  | 5:00  | The SETTING table                                                  |
|       |       | Common errors and their resolutions                                |
|       |       | Custom login pages                                                 |
|       |       | Query Based Roles in BBIS                                          |
|       |       | Review, Q&A                                                        |

**Breaks every 50 - 90 minutes**