**DiAVA**   
Technical Guide

Table of Contents

[(U) Software 1](#_Toc92703533)

[(U) Material Design for Angular Installation 1](#_Toc92703534)

[(U) Eleasticsearch Structure 3](#_Toc92703535)

[(U) Versioning 3](#_Toc92703536)

# (U) Software

* Angular 11.2.1
* Angular Material 11.2.3
* Elasticsearch 5
* Python 2.7.1
* Fontawesome 5.15.2

# (U) Material Design for Angular Installation

* Use the Angular Material getting started guide <https://material.angular.io/guide/gettingf-started>
* By default Angular Material adds external links to your project that points to Material Icons. Material icons must be installed internal to the application (locally). Follow steps below to use Material icons locally…
  1. Delete the two lines listed below from the index.html
     + <link href="https://fonts.googleapis.com/css?family=Roboto:300,400,500&display=swap" rel="stylesheet">
     + <link href="https://fonts.googleapis.com/icon?family=Material+Icons" rel="stylesheet">
  2. Install Material design locally at development/web-app/
     + npm install material-design-icons --save
  3. Add the path below to point to the node\_modules/material-design in the styles section of angular.json file

"styles": [

"node\_modules/material-design-icons/iconfont/material-icons.css",

"./node\_modules/@angular/material/prebuilt-themes/deeppurple-amber.css",

"src/styles.scss"

],

* 1. Start angular server

# (U) Eleasticsearch Structure

* Index
  + diava
  + diava\_util
* doc\_type
  + diava/visits
  + diava\_util/users
  + diava\_util/locations
  + diava\_util/settings

# (U) Versioning

Versioning structure (*major.minor*.*revision*). *Major* number is increased when there are significant jumps in functionality, the *minor* number is incremented when only minor features or significant fixes have been added, and *revision* number is incremented when minor bugs are fixed.

* **01.00.00** July 2006 – This was the original form that was put in production July 2006 by Mr. Brandon Carlson
* **02.00.00** April 2008 – This was a java solution with an ORACLE database that was tested and migrated to production but never used by the customer. April 2008 by Mr. Jason Haddix
* **03.00.00** June 2008 – This is an ASP solution using classic ASP (Active Server Pages) with Microsoft SQL Server 2005 database. June 2008 Mr. Anthony Mastromonaco
* **04.00.00** – Redesigned so that all DFE’s can use the app. Major code and Database change. The application can now grow dynamically in size and scope without code change.
* **04.01.00** – Minor feature enhancements and significant bug fixes
  + **Bug Fixes**
    - Bug fix - fixed the DFE Query to only display DFE's that have default POC's. If a DFE doesn't have a default poc then the app will break so now that is being handled in the query – selectDFE.asp
    - Bug fix – When adding or updating a user and selecting Admin or Web Support the password field is now required as well as selecting a DFE.
  + **Enhancements**
    - SSN is now a required field in file RegistrationForm\_Step1.asp and AdditionalVisitors.asp.
    - Added sort order to Manage Administrator Accounts WebDevManageUsers.asp
    - Added informational text to the Manage DFE Lookup Table WebDevManageLUT.asp
    - Country drop down list was replaced with a input text field so users can enter whatever they want into the country field. Files effected are
    - Validation for comm. Phone was removed to handle international phone numbers. Files effected are
    - Added “Edit Profile” link that is displayed in the upper right corner of the page below the banner and is visible only when signed in.
    - DIOCC web reports. The DIOCC can now view reports that include all DFE’s.
  + **DataBase Changes**
    - Database change – In table named *tbl\_user* the column *country\_key* was renamed to *country\_name* { varchar(500) Allow NULLS}. **Need to delete all data in the country\_name column ONLY and set it to NULL (update tbl\_user set country\_name = null)**
    - Database change – Table named *lut\_user\_role* – add column named “*user\_role\_autoKey*”
      * Set datatype to int
      * Allow NULLS set to “NO”
      * Set to primary key
      * Is Identity set to “Yes”
    - Database change – Table named *tbl\_dfe\_msg*
      * Insert new record
        + dfe\_msg\_confirmation = Confirmation Message
        + dfe\_msg\_cancelled = Delete Successful
        + dfe\_msg\_announcement = Welcome to DIOCC
        + dfe\_msg\_announcement\_exp\_dt = 07/01/2009
        + dfe\_key = 25
    - Database change – Table named tbl\_visit add two new columns named “*visit\_country*” and “*visit\_city*” and apply the configuration to both
      * Set datatype to “varchar(500)”
      * Allow NULLS set to yes
* **04.01.01** Jan 2010 – Minor bug fixes and feature enhancements
  + **Bug Fixes**
    - AdminVisitView.asp – **Bug**: when signed in as a DIOCC user and click on the “View All Visit Requests” link, then click a record that doesn’t belong to the DIOCC an error message is displayed. **Fix**: The SQL for rsData2 was only looking for public or web support users not DIOCC users. The query now handles DIOCC users.
    - AdminVisitRequestSearch.asp – **Bug:** When a user is signed in with Web Support access and clicks the link “Manage Users” and then clicks the “Search” button with the search box blank, and then select a user to delete that has current records in the database a warning will be displayed. There is a link in the warning screen to display all visit requests for this user. The bug is when the Web Support user clicks this link the results show “0” which is not accurate. **Fix**: A value is passed to the page (Visit Request Search) saying that the user signed in has Web Support access and to display the visitors information.
  + **Enhancements**
    - Admin Users can now edit user information from the “Manage DFE POC List”.
    - New option under Web Support Links named “Manage Visit Requests” allows the web support team full access to modify any visit request for any location.
    - “Manage Clearance Received” is a new option for administrators that allow them to easily flag a visit request that clearances have or have not been received.
* **05.00.00** Feb2010 **–** Major functionality updates – Expansion to SIPRNET
  + **Enhancements**
    - Supports ORACLE DB and MS SQL 2005
    - Removed the DIOCC Reports section due to organization structure change. The DIOCC has the same access as other locations.
    - Excel Reports simplified
    - National Agency logic added. If the visitor is visiting a national agency then the term “Notification” is used throughout the application. If the visitor is visiting a COCOM then the term “Request” is used throughout the application.
    - Added “Directorate and Office You Represent” to the information about the office form.
  + **Database Changes** 
    - Added new column named “dfe\_nationalAgency (smallint)” to the table named “lut\_dfe”. The number 1 in this column represents a national agency and the number 0 represents all others.
    - Added new column named “visit\_representing (varch(MAX))” to the table named “tbl\_visit”. This column is to store information
* **05.01.00** March 2010 - Minor features
  + **Enhancements**
    - The application now uses the entire browser window. Earlier version was confined to a set area in the center of the browser which limited the amount of content that could be displayed.
    - Remarks section added
    - Clearance MSG DTG added
    - Arrival and Departure Times added
    - Visitor Lodging added
    - Added User’s Cell Phone
    - Added Visit Recurrence for Notifications only (National Agency visits or War Colleges.
  + **Changes**
    - SSN is only required for COCOMS
  + **Database Changes**
    - New look up table named “**lut\_classification**” with the following new columns
      * “**classification\_key** (set to KEY, NO NULLS, int (Identity Specification = **yes**)”
      * “**classification\_short\_name** (allow NULLS, varchar(50))”
      * “**classification\_long\_name** (allow NULLS, varchar(200))”
      * “**classification\_bg\_color** (allow NULLS, char(6))”
      * “**classification\_ft\_color** (allow NULLS, char(6))”
    - New columns in the table “**tbl\_visit**”
      * “**visit\_classification** (allow NULLS, varchar(200))”
      * “**visit\_clearance\_msg\_dt** (allow NULLS, datetime)”
      * “**visit\_remarks** (allow NULLS, varchar(500))”
      * **“visit\_lodging\_name** (allow NULLS, varchar(200))”
      * **“visit\_lodging\_address** (allow NULLS, varchar(200))”
      * **“visit\_lodging\_phone** (allow NULLS, varchar(50))”
      * “**visit\_recurrence** (allow NULLS, varchar(500))”
    - New column in the “**tbl\_user**”
      * “**user\_phone\_cell** (allow NULLS, varchar(50))”
* **05.01.01** April 2010 - Minor Revision
  + **Changes**
    - Removed formatting validation for all phone numbers
    - Moved the CLASSIFICATION option from the “Office Visiting” page to the “User/Visitor” page.
  + **Bug Fixes**
    - The Oracle version had a error when updating a record – this has been fixed
    - When activating a location (Web Support function) a script error would pop-up – this has been fixed
* **06.00.00** July 2010 – Major Revision
  + **Changes**
    - Added record submit date and last modified date. This is available when viewing the details of a visit request/notification.
    - Added record counts to all reports.
    - New option available in the Web Support section named “View All Administrators”.
    - Removed all phone validation from “Web Support Links > Manage Users”.
    - Web Support level of access can now modify user’s id.
    - Record ID added to reports and public user update option.
    - Administrator reports are now searchable by Record Id
    - New Technical support link located at the bottom right of every page.
    - New Administrators support link located at the bottom right of every page
    - New web support option for the support link on the home page. Only available for “Web Support” users.
    - New system alert message on the home page managed by the Web Support users.
    - Visit Record Id has been added to the email notifications
  + **Database Changes**
    - New columns in the table “**tbl\_visit**”
      * **visit\_create\_dt** (allow NULLS, datetime)
      * **visit\_modified\_dt** (allow NULLS, datetime)
    - New table named “**tbl\_support**”
      * **support\_key** (set to KEY, NO NULLS, int (Identity Specification = **yes**)
      * **support\_linkTitle** (allow NULLS, varchar(200))
      * **support\_url** (allow NULLS, varchar(500))
      * **support\_active** (allow NULLS, int)
      * **support\_network** (allow NULLS, int)
      * **support\_description** (allow NULLS, int)
      * **support\_subject** (allow NULLS, int)
    - New table named “**tbl\_systemMessage**”
      * **systemMessage\_key** (set to KEY, NO NULLS, int (Identity Specification = **yes**)
      * **systemMessage\_message** (allow NULLS, varchar(MAX))
      * **systemMessage\_start\_dt** (allow NULLS, datetime)
      * **systemMessage\_end\_dt** (allow NULLS, datetime)
      * **systemMessage\_id** (allow NULLS, varchar(50))
    - Modify column **visit\_remarks** in table “**tbl\_visit**”
      * Change the DataType from (500) to (MAX)
* **06.01.00** Mar 2011 – Minor Revision
  + **Changes**
    - Added NIPRNET Email Address
    - Added text to the right of the “Purpose Of Visit” stating “Please include reason for visit, objectives/goals, and topic to be discussed”
    - Lodging information is now a required field for USCENTCOM only
    - Added text to the right of “Lodging Information” stating (Please include lodging/contact information for recall purposes and in case of an emergency)
  + **Database Changes**
    - New column in the table “**tbl\_user**”
      * **user\_email\_niprnet** (allow NULLS, varchar(200))
    - New colum in the table “**lut\_dfe**”
      * **dfe\_requiredFields** (allow NULLS, varchar(200))
* **07.00.00** Mar 2012 – Major Revision
  + **Changes**
    - Modified the default font color from light blue to black for readability.
    - Modified reports to include “Purpose of Visit”.
    - Increased the number of characters for the announcements from 500 to 1000.
    - New “Printer Friendly” option for all reports.
    - Classification for each record was added to the reports.
    - Metrics now available
    - Visits that are cancelled are no longer permanently deleted from the database. Cancelled records are now stored and are included in all reports.
    - Personnel in Records Protect (RP) can now classify their names with (RP).
    - Updated queries for efficiencies and increased data retrieval speeds.
    - Added Properties GUI
  + **Bug Fixes**
    - Records that have an arrival or departure time of 1200AM were being displayed without the time stamp. The time stamp has been corrected.
    - When updating a record the location name was not being passed to the email notification. This is handled by a session variable which has been fixed.
  + **Database Changes**
    - New column in the table “**tbl\_visit**”
      * **visit\_cancelled** (allow NULLS, varchar(50))
    - New column in the table “**tbl\_user**”
      * **user\_rp** (allow NULLS, varchar(50))
    - New column in the table “**tbl\_add\_visitor**”
      * **add\_visitor\_rp** (allow NULLS, varchar(50))
    - New column in the table “**tbl\_user**”
      * **user\_create\_dt** (allow NULLS, dateTime)
    - New table “**tbl\_properties**”
      * **properties\_key** (set to KEY, NO NULLS, int (Identity Specification = **yes**)
      * **properties\_mailServer** (allow NULLS, varchar(MAX))
      * **properties\_appURL** (allow NULLS, varchar(MAX))
    - Dropped table “**tbl\_appURL**”
* **07.00.01** Jan 2013 – Minor Revision
  + **Changes**
    - SIPRNET version was switched from ORACLE DB to MS SQL DB.
  + **Bug Fixes**
    - Bug: When entering an email address with a comma, the system fails. Fix: Validation was added to ensure that there are no comma’s entered into the email input text field.
* **07.00.02** May 2017 – Minor Revision (Line numbers change for each release)
  + **Changes**
    - New Requirement: Changed the default sort order of all reports to DESC by visit request date requested by EUCOM
      * Deleted file ***documents/releaseNotes.doc*** – it’s an outdated document for 07,00.01 release
      * Deleted file ***\_RegistrationForm\_Step1 - Copy.asp*** – This is an unused file
      * Deleted file ***\_WebDevMetrics – Copy.asp*** – This is an unused file
      * Deleted file ***RegistrationForm\_Submit – Copy.asp*** – This is an unused file
      * Updated file ***documents/VisitApplicationUsersManual.doc***
      * Updated file ***documents/VisitApplicationWebsupportManual.doc***
      * Updated file ***inc/include.asp*** – Added lines 20 – 22 and modified line 66 with new version number, removed Piwik tracker analytics – not compatible with SIPR network
      * Updated file ***AdminQueryAllRequests.asp*** – Added lines 23 – 26, modified line 148
      * Updated file ***AdminVisitRequestSearch.asp*** – Added lines 28-30, added line 191
      * Updated file ***AdminQueryRequestsByDate.asp*** – Added lines 24-26, modified line 185
    - New Requirement: Add POC email address of those being visited
      * Updated file ***RegistrationForm\_Step2.asp*** – added the visit\_email input field. Added lines 36-38, 134-136, 607-610, 1016-1019
      * Updated file ***RegistrationAddOffice.asp*** – Added lines 16-18, 169-173
      * Updated file ***RegistrationForm\_Step4.asp*** – Added lines 33-35, 304 and 557
      * Updated file ***RegistrationUpdateForm.asp*** – Added lines 29-31, 139-141, 602-605
      * Updated file ***RegistrationUpdate.asp*** – Added lines 16-18, 193-197
      * Updated file ***AdminVisitView.asp*** – Added lines 32-34, 397-399
    - **Bug Fixes**
      * Updated file ***WebDevManageLUT\_add.asp*** – missing “end if” added the closing statement on line 128
  + **Database Changes**
    - New column added in the table “**tbl\_visit**”
      * Column name: ***Visit\_email*** (allow NULLS, varchar(MAX))
* **09.00.00** Jan2022 **–** Major functionality updates
  + **Changes**
    - Refactor application using Angular, Angular Material, Fontawesome, Python and Elasticsearch
    - Application no longer is supported on SIPRNET