

Bluebeam Setup for TRAKiT

- Start on SQL Server first

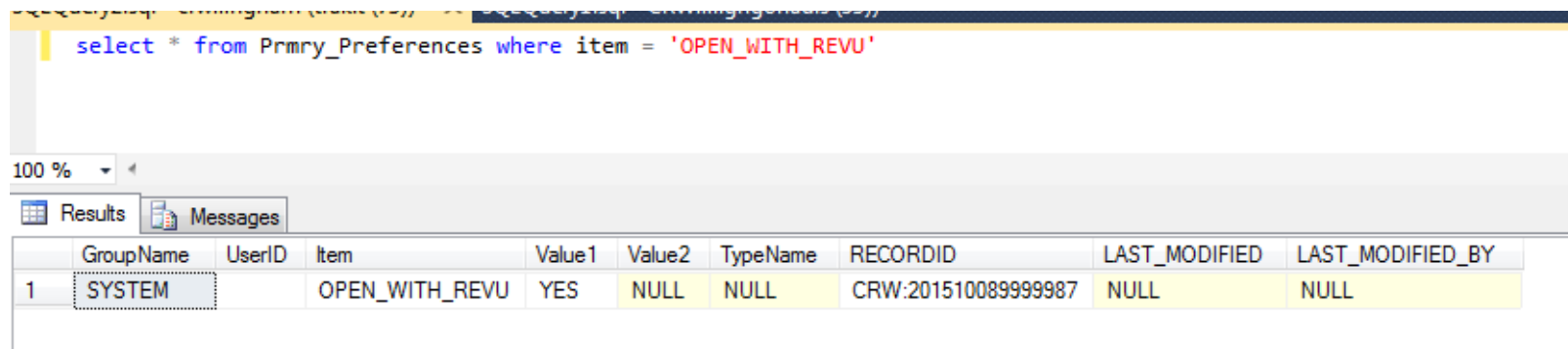
SQL

- Open Sql instance for TRAKiT and check for existing ROW
-

--Step 1--check table--

```
select * from Pmry_Preferences where item = 'OPEN_WITH_REVU'
```

--table should look like this--



The screenshot shows a SQL Server query window with the following query: `select * from Pmry_Preferences where item = 'OPEN_WITH_REVU'`. Below the query window, the 'Results' pane displays a table with the following data:

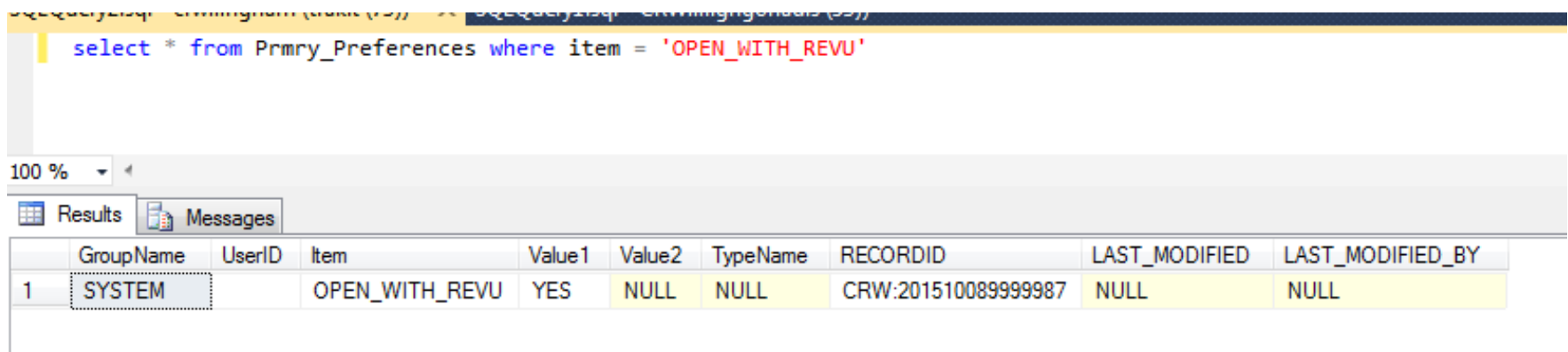
	GroupName	UserID	Item	Value1	Value2	TypeName	RECORDID	LAST_MODIFIED	LAST_MODIFIED_BY
1	SYSTEM		OPEN_WITH_REVU	YES	NULL	NULL	CRW:201510089999987	NULL	NULL

--Step 2-- if row does not exist, insert manually into pmry_preferences table these values in edit mode--

```
'SYSTEM', '', 'OPEN_WITH_REVU', 'YES', '', '', '201512129999', 'NULL', 'NULL'
```

--CHECK table again for new entry--













```
select * from Pmry_Preferences where item = 'OPEN_WITH_REVU'
```



The screenshot shows a SQL Server Enterprise Manager interface. At the top, a query window displays the SQL statement: `select * from Pmry_Preferences where item = 'OPEN_WITH_REVU'`. Below the query window, the 'Results' tab is active, showing a table with the following data:

	GroupName	UserID	Item	Value1	Value2	TypeName	RECORDID	LAST_MODIFIED	LAST_MODIFIED_BY
1	SYSTEM		OPEN_WITH_REVU	YES	NULL	NULL	CRW:201510089999987	NULL	NULL

--Step 3 - Make sure these Stored procedures exist in the Database--

-   `dbo.tsp_T9_AttachmentIsHighestRevision`
-   `dbo.tsp_T9_BB_AddBAXMarkup`
-   `dbo.tsp_T9_BB_AttachmentEligibleForCopyMarkups`
-   `dbo.tsp_T9_BB_DeleteBAXMarkupsOnAttachment`
-   `dbo.tsp_T9_BB_GetBAXMarkups`
-   `dbo.tsp_T9_BB_GetBAXMarkupsByVersion`

--If Above SP's do not exist in DB then run this script below for
tsp_T9_AttachmentIsHighestRevision---

```
/****** Object: StoredProcedure [dbo].[tsp_T9_AttachmentIsHighestRevision]    Script Date: 8/26/2015 10:09:05 AM *****/
SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

-- =====
-- Author:      <Micah Neveu>
-- Create date: <7/27/2015>
-- Description:  <Determines if the supplied attachmentid is the latest revision or not>
-- =====
CREATE PROCEDURE [dbo].[tsp_T9_AttachmentIsHighestRevision]
    @GroupName varchar(20),
    @AttachmentRecordID varchar(30),
    @BaseFilename varchar(250),
    @ActivityNumber varchar(50),
    @IsHighestVersion bit OUT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    declare @myversionnumber int = 0 --- (select [version] from Permit_Attachments where RECORDID = @attachmentRecordID) -- local
    variable
    declare @highestVersion int = 0 --- (select MAX([version])as VersionNumber from Permit_Attachments where PATHNAME like
    @basefilename and PERMIT_NO = @activityNumber)

    -- default ishighest to 0
    select @isHighestVersion = 0
```

```

IF @GroupName = 'AEC'
    BEGIN
        SELECT @myversionnumber = (select [version] from AEC_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from AEC_Attachments where PATHNAME like
@basefilename and ST_LIC_NO = @activityNumber)
    END

IF @GroupName = 'CASE'
    BEGIN
        SELECT @myversionnumber = (select [version] from Case_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from Case_Attachments where PATHNAME like
@basefilename and CASE_NO = @activityNumber)
    END

IF @GroupName = 'CRM'
    BEGIN
        -- CRM uses a NUMBER for issue_id, not stringiness
        DECLARE @ISSUE_ID INT = CAST(@activityNumber AS INT)
        SELECT @myversionnumber = (select [version] from CRM_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from CRM_Attachments where PATHNAME like
@basefilename and ISSUE_ID = @activityNumber)
    END

IF @GroupName = 'GEO'
    BEGIN
        SELECT @myversionnumber = (select [version] from GEO_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from GEO_Attachments where PATHNAME like
@basefilename and LOC_RECORDID = @activityNumber)
    END

IF @GroupName = 'LAND'
    BEGIN
        SELECT @myversionnumber = (select [version] from GEO_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from GEO_Attachments where PATHNAME like
@basefilename and LOC_RECORDID = @activityNumber)
    END

IF @GroupName = 'LICENSE2'
    BEGIN
        SELECT @myversionnumber = (select [version] from License2_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from License2_Attachments where PATHNAME like
@basefilename and LICENSE_NO = @activityNumber)
    END

```

```

IF @GroupName = 'PAYMENT'
    BEGIN
        SELECT @myversionnumber = (select [version] from Payment_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from Payment_Attachments where PATHNAME like
@basefilename and Activity_NO = @activityNumber)
    END

IF @GroupName = 'PERMIT'
    BEGIN
        SELECT @myversionnumber = (select [version] from Permit_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from Permit_Attachments where PATHNAME like
@basefilename and PERMIT_NO = @activityNumber)
    END

IF @GroupName = 'PROJECT'
    BEGIN
        SELECT @myversionnumber = (select [version] from Project_Attachments where RECORDID = @attachmentRecordID)
        SELECT @highestVersion = (select MAX([version])as VersionNumber from Project_Attachments where PATHNAME like
@basefilename and PROJECT_NO = @activityNumber)
    END

if (@myversionnumber = @highestVersion)
    BEGIN
        select @isHighestVersion = 1
    END

SELECT @isHighestVersion as 'Is Highest'

END

GO

```

--If Above SP's do not exist in DB then run this script below for
tsp_T9_BB SP's (from step 09)---

```
IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[tsp_T9_BB_AddBAXMarkup]'))
    DROP PROCEDURE [dbo].[tsp_T9_BB_AddBAXMarkup]
GO

-- =====
-- Author:          <Micah Neveu>
-- Create date:    <4/6/2015>
-- Description:    <Inserts a new row into bfx markups>
-- =====
CREATE PROCEDURE [dbo].[tsp_T9_BB_AddBAXMarkup]
    -- Add the parameters for the stored procedure here
    @GroupName varchar(20),
    @ActivityRecordID varchar(30),
    @BAXFileName varchar(200),
    @userName varchar(30),
    @userID varchar(4),
    @AttachmentRecordID varchar(30)

AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    IF (select COUNT(*) from Prmry_BAX_Markups WHERE ActivityRecordID = @ActivityRecordID AND UserID = @userID AND AttachmentRecordID =
@AttachmentRecordID) = 0
        BEGIN
            INSERT INTO Prmry_BAX_Markups VALUES(@GroupName, @ActivityRecordID, @BAXFileName, @userName, @userID,
@AttachmentRecordID)
        END
END

GO
```

```

                IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[tsp_T9_BB_AttachmentEligibleForCopyMarkups]'))
                DROP PROCEDURE [dbo].[tsp_T9_BB_AttachmentEligibleForCopyMarkups]
                GO

-- =====
-- Author:          <Micah Neveu>
-- Create date:    <6/29/2015>
-- Description:    <determines if this record is eligible for copy markups>
-- =====
CREATE PROCEDURE [dbo].[tsp_T9_BB_AttachmentEligibleForCopyMarkups]
    @AttachmentRecordID varchar(30),
    @versionNumber int,
    @activityNumber varchar(30),
    @baseFileName varchar(300),
    @group varchar(20) = 'PERMIT',
    @eligible bit = 0 OUT
AS
BEGIN
    SET NOCOUNT ON;

--SELECT @versionNumber = VERSION, @activityNumber = permit_No, @attachmentDesc = [DESCRIPTION] FROM permit_attachments WHERE recordid =
@AttachmentRecordID

-- get the count of markups for this
DECLARE @baxCount INT = (SELECT COUNT(*) FROM prmary_bax_markups WHERE AttachmentRecordID = @AttachmentRecordID)

IF (@baxCount = 0)
    BEGIN
        -- we need the correct table - AEC_attachments, case_attachments, crm_attachments, geo_attachments, license2_attachments,
        payment_attachments, permit_attachments, project_attachments
        DECLARE @precordid varchar(30) = 'xxx'

        -- and yeah, there is DEFINITELY a better way...
        IF (@group = 'AEC') BEGIN SELECT @precordid = (SELECT RECORDID FROM aec_attachments where ST_LIC_NO = @activityNumber AND VERSION =
(@versionNumber - 1) AND [pathname] like @basefilename) END
        IF (@group = 'CASE') BEGIN SELECT @precordid = (SELECT RECORDID FROM case_attachments where CASE_NO = @activityNumber AND VERSION =
(@versionNumber - 1) AND [pathname] like @basefilename) END
        IF (@group = 'CRM') BEGIN SELECT @precordid = (SELECT RECORDID FROM crm_attachments where ISSUE_ID = @activityNumber AND VERSION =
(@versionNumber - 1) AND [pathname] like @basefilename) END
    END

```

```

    IF (@group = 'GEO') BEGIN SELECT @precordid = (SELECT RECORDID FROM geo_attachments where SITE_APN = @activityNumber AND VERSION =
(@versionNumber - 1) AND [pathname] like @basefilename) END
    IF (@group = 'LICENSE2') BEGIN SELECT @precordid = (SELECT RECORDID FROM license2_attachments where license_no = @activityNumber AND
VERSION = (@versionNumber - 1) AND [pathname] like @basefilename) END
    IF (@group = 'PAYMENT') BEGIN SELECT @precordid = (SELECT RECORDID FROM payment_attachments where Activity_no = @activityNumber AND
VERSION = (@versionNumber - 1) AND [pathname] like @basefilename) END
    IF (@group = 'PERMIT') BEGIN SELECT @precordid = (SELECT RECORDID FROM permit_attachments where permit_no = @activityNumber AND
VERSION = (@versionNumber - 1) AND [pathname] like @basefilename) END
    IF (@group = 'PROJECT') BEGIN SELECT @precordid = (SELECT RECORDID FROM project_attachments where project_no = @activityNumber AND
VERSION = (@versionNumber - 1) AND [pathname] like @basefilename) END
    -- ... to get this done cleanly

    IF (@precordid IS NOT NULL)
        BEGIN
            -- we have a valid previous version number
            DECLARE @pcount int = (SELECT COUNT(*) FROM prmry_bax_markup WHERE AttachmentRecordID = @precordid)
            -- if there are more than 0 markups, then eligible! otherwise, not so much
            SELECT @eligible = (SELECT(CAST(CASE @pcount WHEN 0 THEN 0 ELSE 1 END AS BIT)))
        END
    END

print 'eligibility ' + CAST(@eligible AS VARCHAR(9))

END

GO

IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[tsp_T9_BB_DeleteBAXMarkupsOnAttachment]'))
    DROP PROCEDURE [dbo].[tsp_T9_BB_DeleteBAXMarkupsOnAttachment]
GO

-- =====
-- Author:          <Micah Neveu>
-- Create date:    <6/26/2015>
-- Description:     <Deletes all markups that exist on
--                  a list of comma delimited recordids>
-- =====
CREATE PROCEDURE [dbo].[tsp_T9_BB_DeleteBAXMarkupsOnAttachment]
    @AttachmentRecordID varchar(3100) -- turn this into a comma delimited list in the future (up to 30 records)
AS
BEGIN

```



```

-- remove padding between items
SELECT @AttachmentRecordID = REPLACE(@AttachmentRecordID, ' ', '')
DECLARE @Split char(1), @X xml
SELECT @Split = ','
SELECT @X = CONVERT(xml, '<root><s>' + REPLACE(@AttachmentRecordID, @Split, '</s><s>') + '</s></root>')

--select [Value] = T.c.value('.', 'varchar(20)') FROM @X.nodes('/root/s') T(c)
--select * from prmry_bax_markup where attachmentrecordid in (select [Value] = T.c.value('.', 'varchar(20)') FROM @X.nodes('/root/s'))
T(c))

DELETE FROM prmry_bax_markup WHERE AttachmentRecordID IN (select [Value] = T.c.value('.', 'varchar(20)') FROM @X.nodes('/root/s'))
T(c))
END

--*****

/***** Object: StoredProcedure [dbo].[tsp_T9_BB_GetBAXMarkups]    Script Date: 07/20/2015 13:38:29 *****/
SET ANSI_NULLS ON

GO

IF EXISTS (SELECT * FROM sys.objects WHERE object_id = OBJECT_ID(N'[dbo].[tsp_T9_BB_GetBAXMarkups]'))
DROP PROCEDURE [dbo].[tsp_T9_BB_GetBAXMarkups]
GO

-- =====
-- Author:          <Micah Neveu>
-- Create date:    <4/7/2015>
-- Description:    <Simple read, returns the markups for the group and attachment id>
-- =====
CREATE PROCEDURE [dbo].[tsp_T9_BB_GetBAXMarkups]
    @GroupName VARCHAR(30),
    @AttachmentRecordID VARCHAR(30)
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    SELECT * FROM Prmry_BAX_Markups WHERE GroupName = @GroupName AND AttachmentRecordID = @AttachmentRecordID
END

```

--*****

/****** Object: StoredProcedure [dbo].[tsp_T9_BB_GetBAXMarkupsByVersion] Script Date: 07/20/2015 13:38:33 *****/
SET ANSI_NULLS ON

GO

```
                IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[tsp_T9_BB_GetBAXMarkupsByVersion]'))
                DROP PROCEDURE [dbo].[tsp_T9_BB_GetBAXMarkupsByVersion]
                GO
```

```
-- =====
-- Author:          <Micah Neveu>
-- Create date:    <4/7/2015>
-- Description:    <Simple read, returns the markups for the group and attachment id>
-- =====
```

```
CREATE PROCEDURE [dbo].[tsp_T9_BB_GetBAXMarkupsByVersion]
    @GroupName VARCHAR(30),
    @Pathname VARCHAR(200),
    @Version INT
```

```
AS
BEGIN
```

```
-- SET NOCOUNT ON added to prevent extra result sets from
-- interfering with SELECT statements.
SET NOCOUNT ON;
```

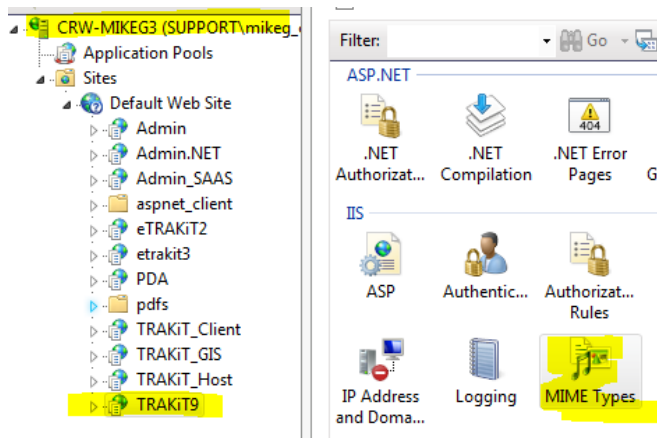
```
    IF (@GroupName = 'AEC') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM AEC_ATTACHMENTS
WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
    IF (@GroupName = 'CASE') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM
CASE_ATTACHMENTS WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
    IF (@GroupName = 'CRM') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM CRM_ATTACHMENTS
WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
    IF (@GroupName = 'GEO') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM GEO_ATTACHMENTS
WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
    IF (@GroupName = 'LICENSE2') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM
LICENSE2_ATTACHMENTS WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
    IF (@GroupName = 'PAYMENT') BEGIN SELECT * FROM prmry_bax_markups WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM
PAYMENT_ATTACHMENTS WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
```

```
IF (@GroupName = 'PERMIT') BEGIN SELECT * FROM prmry_bax_markup WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM PERMIT_ATTACHMENTS WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
IF (@GroupName = 'PROJECT') BEGIN SELECT * FROM prmry_bax_markup WHERE attachmentrecordid = (SELECT TOP(1) RECORDID FROM PROJECT_ATTACHMENTS WHERE [Pathname] = @Pathname and [VERSION] = @Version) END
END
```

End of SQL setup move to App Server

App Server

- Open IIS
- Open Default Web Site \ Trakit9\MIME Types



Add these two Types to MIME Types list as below

.bax

application/WIASHell

.bfx

application/WIASHell



MIME Types

Use this feature to manage the list of file name extensions and associated content ty

Group by: No Grouping		
Extension	MIME Type	Entry Type
.au	audio/basic	Inherited
.avi	video/x-msvideo	Inherited
.axs	application/olescript	Inherited
.bas	text/plain	Inherited
.bax	application/WIASHell	Inherited
.bcpio	application/x-bcpio	Inherited
.bfx	application/WIASHell	Inherited

Open TRAKiT9 \ Web config

Go to Bluebeam section:

Example from Clermont:

```
<add key="BBWebCall" value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc/generateBFX/{0}/{1}/{2}/{3}/{4}/{5}" />
```

```
<add key="BBResponseURL" value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc/" />
```

```
<add key="BBPdfLocation" value="http://lares/trakit9/" />
```

- "BBWebCall" value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc" (HTTP or HTTPS value is the etrakit url followed by itrakit followed by trakit.svc)
 - "BBResponseURL" value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc" (HTTP or HTTPS value is the etrakit url followed by itrakit followed by trakit.svc)
 - "BBPdfLocation" value="http://lares/trakit9" (HTTP or HTTPS value is the TRAKiT server name followed by Trakit or Trakit9)
-

WEB Server

Open iTRAKiTservices \ Web config

Go to Bluebeam section or add if not present

Example from Clermont:

```
<!--bluebeam-->
```

```
<add key="BBPdfLocation" value="http://etrakit.clermontfl.org/itrakit/" />
```

```
<add key="BBResponseURL" value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc/" />
```

```
</appSettings>
```

- BBPdfLocation " value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc (HTTP or HTTPS value is the etrakit url followed by itrakit)
- BBResponseURL " value="http://etrakit.clermontfl.org/iTRAKIT/trakit.svc (HTTP or HTTPS value is the etrakit url followed by itrakit followed by trakit.svc)

Return to App Server and Test Bluebeam for saving edits from TRAKiT in attachments (ONLY PDF's Supported)