**How To: Use WebChat with the Direct Line App Service Extension**

This guide describes how to use WebChat with the Direct Line App Service Extension.

***Get Your Direct Line Secret***

The first step is to find your Direct Line secret. You can do this by following these instructions as they are the same for Direct Line App Service Extension: <https://docs.microsoft.com/en-us/azure/bot-service/bot-service-channel-connect-directline?view=azure-bot-service-4.0>

***Get the preview version of DirectLineJS***

The preview version of DirectLineJS can be found here:

<https://github.com/Jeffders/DirectLineAppServiceExtensionPreview/tree/master/libraries>

***Integrate with WebChat***

These instructions explain how to use WebChat with the Direct Line App Service Extension. Generally, it is the same as before except that there is a new version of WebChat that supports two-way WebSocket traffic, and that instead of connecting to <https://directline.botframework.com/> you will connect directly to your hosted bot. The Direct Line URL for your bot will be https://<your\_app\_service>.azurewebsites.net/.bot/ . The /.bot/ extension is the Direct Line endpoint on your App Service, so if you can configure your own domain name but you will still append the /.bot/ path to get to the Direct Line REST APIs.

1. Exchange the secret for a token by following the instructions [here](https://docs.microsoft.com/en-us/azure/bot-service/rest-api/bot-framework-rest-direct-line-3-0-authentication?view=azure-bot-service-4.0) with the one change of instead of asking for a token from <https://directline.botframework.com/v3/directline/tokens/generate> you will instead generate the token directly from your Direct Line App Service Extension at https://<your\_app\_service>.azurewebsites.net/.bot/v3/directline/tokens/generate
2. Once you have a token, you can update the webpage that uses WebChat with **these** changes:

<!DOCTYPE html>

<html lang="en-US">

<head>

<title>Direct Line Streaming Sample</title>

**<script src="~/directLine.js"></script>**

**<script src="https://cdn.botframework.com/botframework-webchat/master/webchat.js"></script>**

<style>

html, body {

height: 100%

}

body {

margin: 0

}

#webchat,

#webchat > \* {

height: 100%;

width: 100%;

}

</style>

</head>

<body>

<div id="webchat" role="main"></div>

<script>

const activityMiddleware = () => next => card => {

if (card.activity.type === 'trace') {

// Return false means, don't render the trace activities

return () => false;

} else {

return children => next(card)(children);

}

};

**var dl = new DirectLine.DirectLine({**

**secret: '<your token>',**

**domain: 'https://<your\_site>.azurewebsites.net/.bot/v3/directline',**

**webSocket: true,**

**conversationId: '<your conversation id>'**

**});**

window.WebChat.renderWebChat({

activityMiddleware,

**directLine: dl,**

userID: '<your generated user id>'

}, document.getElementById('webchat'));

</script>

</body>

</html>