# Demandbase Data in sitecore

This document will go over the details of how demandbase data is integrated into Sitecore as well as how you can have access to this data as part of a users session.

## Demandbase context

Installing the module comes with a context singleton object.

DemandbaseContext.Attributes; //A list of demandbase attributes   
 DemandbaseContext.AccountWatch; //A list of watch list attributes  
 DemandbaseContext.DemandbaseIp; //IP address for demandbase  
 DemandbaseContext.Key; //Demandbase access key  
 DemandbaseContext.Levels; //List of headquarter heirarchy levels  
 DemandbaseContext.NoHq; //Boolean for if no hierarchy levels exist  
 DemandbaseContext.RestApi; //Rest api to get user attributes  
  
 DemandbaseContext.User.GetFullObject(); //Get a dynamic object representing the entirety of the Demandbase payload  
 DemandbaseContext.User.GetValue<T>(AttributeId); //Get the value of a particular demandbase attribute without a headquarter heirarchy  
 DemandbaseContext.User.GetSecondTeirValue<T>(HqLevel, AttributeId); //Get the value of a particular demandbase attribute with a headquarter heirarchy

This singleton can be utilized anywhere inside the context of a web request.

## Attribute definitions

The definition for the available Demandbase attributes are set up in the Demandbase.config file.

<attribute customizable="0">  
 <type>string</type>  
 <name>Audience</name>  
 <id>audience</id>  
 <values>  
 <value>Enterprise Business</value>  
 <value>Mid-Market Business</value>  
 <value>SMB</value>  
 <value>Government</value>  
 <value>Education</value>  
 <value>Hospitality</value>  
 <value>Residential</value>  
 <value>Wireless</value>  
 <value>Bot</value>  
 <value>SOHO</value>  
 <value>Obscured</value>  
 </values>  
 </attribute>

Using the attribute definintions defined within this configuration file the system automatically generates rules for Sitecore personalization. If there are values in the configuration file that you would never care about, you can feel free to remove them to clean up the authoring experience.

Node definitions: \* values tag - Set of default values, creates a picklist for authors to choose particular values when setting up rules. \* id tag - Attribute id from Demandbase. \* name tag - User friendly name for the Demandbase attribute. \* type tag - Data type of attribute value *int, string, or bool*. \* Customizable attribute - If this is set to 1 the attribute will be included in the free form value entry rules where you define a particular string value for an attribute. If it is set to 0 and the attribute has default values, it will be excluded from the free form rule.