User guide to the
MSAgentEnvironment

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Introduction

This document will describe each step that should be taken in order to run the MSAgentEnvironment examples for 2APL. If you already know how to install Microsoft agents or if you already have installed them, you do not need to read this document.

Please note that it is assumed that **you already have installed the newest 2APL** and that **you are slightly familiar** with working with it. If not, please read the 2APL user guide which can be downloaded from the following URL:

- http://www.cs.uu.nl/2apl/downloads.html

Requirements

Before reading, downloading and installing, make sure you meet the following requirements:

- Windows NT 4, 2000, ME, XP or newer;
- At least 20 mb RAM;
- A 100-MHz processor or faster;
- 27 mb of free disk space

If you do meet with the requirements stated above, please continue with step 1.

Step 1: Download and install the environment

The first thing you need to do is to download the MSAgentEnvironment. It can be found on the 2APL Sourceforge website.
After downloading, please open the zip-file and extract it's content (a folder called "*msagent*") to any location on your disk you like. Since it is an example, we suggest that you place it in the "*examples*" folder in your 2APL installation.
If you open the msagent folder, you will find another folder called "*doc*". In there you will find some useful documentation for developing your own msagent projects.

Step 2: Download and install Microsoft agents

Microsoft Agent Core Components

If you are running Microsoft Windows ME, Windows 2000 or Windows XP, you already have an installation of these components on your computer and may thus skip this file. Otherwise, please download and install the file from the following source:

- http://activex.microsoft.com/activex/controls/agent2/MSagent.exe

Merlin, Genie, Peedy and Robby

Now that you have installed the Core Components, you will need to install the four Microsoft Agent characters.

For **Genie**, use the following URL:
- http://download.microsoft.com/download/0/0/c/00cde5f8-321d-4325-baae-eb27f1bde85f/Genie.exe

For **Peedy**:
- http://download.microsoft.com/download/a/f/5/af572f68-b83e-4e2c-8b0f-fd5fadf588e7/Peedy.exe

For **Robby**:
- http://download.microsoft.com/download/2/b/9/2b904bbb-c0b1-4840-b332-ba0615d1041e/Robby.exe

Merlin however is installed already if you are running Microsoft Windows ME, Windows 2000 or Windows XP. Otherwise, please use the following URL:
- http://download.microsoft.com/download/1/d/b/1dbee406-9b5f-48c5-b901-dd1a3f3c4669/Merlin.exe

Now that you have installed the Core Components and the four characters Merlin, Genie, Peedy and Robby, you are ready to run the MSAgentEnvironment. **However**, if you want the agents to actually speak (with audio) your text, please continue with this user guide.

Speech API (SAPI 4.0)

The next file we need is the Speech API, also known as SAPI. **Please note** that we need SAPI **4.0**, which **is not the newest version**! Luckily it is possible to have both SAPI 4.0 ánd a newer version on your Windows. Please download and install from the following URL:
- http://activex.microsoft.com/activex/controls/sapi/spchapi.exe

Learnout & Hauspie TruVoice

The last file you need to download and install is the Learnout & Hauspie TruVoice Text To speech Engine. You need the American English TTS which you can download from the following location:
- http://activex.microsoft.com/activex/controls/agent2/tv_enua.exe

Step 3: Run the examples

If you have performed step 1 and 2 you are now ready to run the examples, which are provided with the MSAgentEnvironment.
Please run 2APL and open the *"msagent.mas"* in one of the two example folders. A Microsoft Agent (or two, depending on which example you run) should now appear and speak with audio.