

How to write a list of strings to the registry

QUESTION

I want to save the contents of a string list to the registry and later read it back. How can I do this?

Save a list of strings to the registry. It will write each string as a key value with the key being the index of each string element and the value being the key.

```
procedure TDPRegistry.SaveStringListInRegistry(
  _RootKey: HKEY; _Localkey: String; Strings: TStrings
);
var
  TR: TRegIniFile;
  LStringIndex: Integer;
begin
  TR := TRegIniFile.Create('');
  try
    case _RootKey of // default is RootKey=HKEY_CURRENT_USER
      HKEY_CLASSES_ROOT,
      HKEY_CURRENT_USER,
      HKEY_LOCAL_MACHINE,
      HKEY_USERS,
      HKEY_PERFORMANCE_DATA,
      HKEY_CURRENT_CONFIG,
      HKEY_DYN_DATA: TR.RootKey := _RootKey;
    end;
    // make sure no entries for this section/ key
    TR.EraseSection(_Localkey);
    with TRegistry(TR) do
      begin
        if OpenKey(_Localkey, true) then
          begin
            try
              for LStringIndex := 0 to Strings.Count - 1 do
                WriteString (IntToStr(LStringIndex), Strings[LStringIndex]);
              finally
                CloseKey;
              end;
            end;
          end;
        finally
          TR.Free;
        end;
      end;
    end;
  end;

{Get list of strings from registry}
procedure TDPRegistry.GetStringListFromRegistry(
  _RootKey: HKEY; _Localkey: String; Strings: TStrings
);
var
  TR: TRegIniFile;
  LStringIndex: Integer;
  RegKeyInfo: TRegKeyInfo;
begin
  Strings.Clear; // start with no elements in string list
  TR := TRegIniFile.Create('');
  try
    case _RootKey of // default is RootKey=HKEY_CURRENT_USER
      HKEY_CLASSES_ROOT,
      HKEY_CURRENT_USER,
      HKEY_LOCAL_MACHINE,
      HKEY_USERS,
      HKEY_PERFORMANCE_DATA,
      HKEY_CURRENT_CONFIG,
      HKEY_DYN_DATA: TR.RootKey := _RootKey;
    end;
    {TR.ReadSectionValues(_Localkey, Strings); doesn't work nicely because
    it returns strings as "1=Value", "2=Value"...}
    with TRegistry(TR) do
```

```
begin
  if OpenKey(_Localkey, true) then
    begin
      try
        if (GetKeyInfo(RegKeyInfo)) then
          begin
            for LStringIndex := 0 to RegKeyInfo.NumValues - 1 do
              Strings.Add(ReadString(IntToStr(LStringIndex)));
            end;
          finally
            CloseKey;
          end;
        end;
      end;
    end;
  finally
    TR.Free;
  end;
end;
```

Original resource:	The Delphi Pool
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