

## Clustering

Document Converter supports failover and high-performance clustering. This means you can point several converters installed on different computers to the same input folder and increase the conversion performance.

To enable clustering support in Document Converter go Settings->Advanced and check the "Clustering Mode" checkbox.

## Deployment scenario

### 2-node conversion cluster

Let's say that you have 2 servers - **serverA** and **serverB** and the input/output folders will reside on **serverA**.

On **serverA**:

1. create 4 new folders – C:\Docs\In\, C:\Docs\Out\, C:\Docs\Error\ and C:\Docs\Orig\.  
Share the In, Out, Error and Orig subfolders as \\serverA\in\, \\serverA\out\, \\serverA\error\ and \\serverA\orig\ respectively.
2. install Document Converter Pro and enable clustering support (Settings->Advanced, check the "Enable Clustering" checkbox);
3. define the input folder – in Document Converter go Settings->Folders, press the Add folder button and specify \\serverA\in\ as Folder to scan, \\serverA\out\ as Destination folder, \\serverA\error\ as Error folder and \\serverA\orig\ as Folder for original files.

On **serverB**:

1. install Document Converter and enable clustering support (Settings->Advanced, check the "Enable Clustering" checkbox);
2. define the input folder – in Document Converter go Settings->Folders, press Add folder and specify \\serverA\in\ as Folder to scan, \\serverA\out\ as Destination folder, \\serverA\error\ as Error folder and \\serverA\orig\ as Folder for original files.

***Note:** to avoid connection problems make sure that you use UNC names instead of mapped folders when adding remote folders into the main Folder to scan interface.*

## Conversion performance

Using the configuration described above we were able to achieve a 15%-45% performance increase compared to a single server configuration.

**Server configuration:**

CPU: AMD Athlon 64 X2 Dual Core 2.2GHz  
RAM: 2GB  
HDD: 233GB IDE (7200 rpm)  
OS: Windows Server 2003 SP2  
Office: Microsoft Office 2003  
Document Converter Pro V6.0

**Word document used** - <http://neevia.com/prods/sample.doc>

**VBS script used:**

```
Dim DC : Set DC = CreateObject("Neevia.docConverter")
rv = DC.SubmitFile("C:\sample.doc", "")
rv=2
While rv=2
  rv = DC.CheckStatus("C:\sample.doc", "")
  DC.doSleep 300
Wend
If (rv = 0) Then
  MsgBox " Converted successfully !!!"
Else
  MsgBox " Error converting !!!"
End If
```

Word parser configuration:

Bookmarks/Hyperlinks processing **disabled**, **1** simultaneous thread  
10 documents used – overall conversion time **46sec**, time per document – **4.6sec**

Bookmarks/Hyperlinks processing **disabled**, **2** simultaneous threads  
10 documents used – overall conversion time **38sec**, time per document – **3.8sec**

Bookmarks/Hyperlinks processing **disabled**, **3** simultaneous threads  
10 documents used – overall conversion time **34sec**, time per document – **3.4sec**

Bookmarks/Hyperlinks processing **disabled**, **4** simultaneous threads  
10 documents used – overall conversion time **33sec**, time per document – **3.3sec**

Bookmarks/Hyperlinks processing **enabled**, **1** simultaneous thread  
10 documents used – overall conversion time **110sec**, time per document – **11sec**

Bookmarks/Hyperlinks processing **enabled**, **2** simultaneous threads  
10 documents used – overall conversion time **99sec**, time per document – **9.9sec**

Bookmarks/Hyperlinks processing **enabled, 3** simultaneous threads  
10 documents used – overall conversion time **101sec**, time per document – **10sec**

Bookmarks/Hyperlinks processing **enabled, 4** simultaneous threads  
10 documents used – overall conversion time **103sec**, time per document – **10.3sec**

**2-node conversion cluster** – each node an AMD Athlon 2.2 GHz, 2GB RAM, 233GB HDD

Bookmarks/Hyperlinks processing **enabled, 2** simultaneous threads on each node  
10 documents used – overall conversion time **64sec**, time per document – **6.4sec**