

BackgroundWorker (Clase)

(Propiedades)

P1 – **CancelationPending** (bool - R)
P2 – **IsBusy** (bool - R)
P3 – **WorkerReportProgress** (bool - R/W)
P4 – **WorkerSupportCancellation** (bool - R/W)

(Metodos)

M1 – **CancelAsync** ()
M2 – **ReportProgress** (int ProgressPercentage [, object UserState])
M3 – **RunWorkerAsync**([object Argument])

(Eventos)

E1 – **DoWork** (object sender, DoWorkEventArgs e) => e.Result (W), e.Argument (R), e.Cancel (W)
E2 – **ProgressChanged** (object sender, ProgressChangedEventArgs e) => e.ProgressPercentage (R), e.UserState (R)
E3 – **RunWorkerCompleted** (object sender, RunWorkerCompletedEventArgs e) => e.Result (R), e.Cancelled (R), e.Error (R)

NOTACION:

[] => argumento o parámetro opcional (no obligatorio)
R, R/W, W => read-only(get), read-write (get/set), write (set)
Red => se usa o ejecuta en un hilo secundario (hilo hijo dentro de **DoWork**)
Blue => se usa o ejecuta en el hilo padre o hilo principal

Disparadores de eventos y cambiadores de Propiedades:

RunWorkerAsync => **DoWork**
ReportProgress => **ProgressChanged**
CancelAsync => **CancelationPending**=true (e.Cancel = true; return;) + e.Cancelled = true
DoWork => **IsBusy** (true = comienza método, false = acaba método) + e.Error (**excepción** no controlada)

bool	=>	e.Cancel, e.Cancelled	object	=>	e.Result, e.Argument, e.UserState
int	=>	e.ProgressPercentage	Exception	=>	e.Error