Dynamic FillFactor Features:

1. An integrated defrag/fillfactor determination solution
   1. Defrags
      1. Top 20 indexes where (frag > 1.2 or BadPageSplit count > 20)\* on weekends
      2. Any index partitioned that has (frag > 1.22 or BadPageSplit count > 2)\* and in Top 20
   2. FillFactor calculation
      1. Top 20 indexes where (frag > 1.2 or BadPageSplitCount > 20)\* on work days.
      2. Tweaks fill factor and stores in history table (AgentIndexRebuilds)
      3. After 6 tweaks checks min factor and if not in last 2 tweaks, sets fillfactor where minimum fragmentation; otherwise continues tweaking fill factor
      4. Checks to see (from history table) if fillfactor has been “fixed” for 90 days or more. If so, adds index (TOP 1) to history table and resets initial fillfactor.
      5. Tweak includes new fillfactor and results logged to history table.
2. Set up as SQL Agent job (run once daily during period of low server activity).
   1. Appears to have minimal performance effect while executing
   2. Very stable last 3 months (no errors)
   3. SQL Agent job execution times vary from 2 minutes to 3 hours
3. Price is right: **FREE!**
4. Code at <https://github.com/MByrdTX/SQL-Server-Fill-Factor-Determination>

\* Frag > 1.2 on odd days; BagPageSplitCount > 20 on even days