



# Web Scraping Lab

Estimated time needed: **30** minutes

## Objectives

After completing this lab you will be:

- Familiar with the basics of the `BeautifulSoup` Python library
- Be able to scrape webpages for data and filter the data

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For this lab, we are going to be using Python and several Python libraries. Some of these libraries might be installed in your lab environment or in SN Labs. Others may need to be installed by you. The cells below will install these libraries when executed.

```
In [1]: !pip install html5lib
```

Collecting html5lib

Downloading html5lib-1.1-py2.py3-none-any.whl (112 kB)

112.2/112.2 kB 15.7 MB/s eta 0:00:00

Requirement already satisfied: six>=1.9 in /home/jupyterlab/conda/envs/python/lib/python3.7/site-packages (from html5lib) (1.16.0)

Requirement already satisfied: webencodings in /home/jupyterlab/conda/envs/python/lib/python3.7/site-packages (from html5lib) (0.5.1)

Installing collected packages: html5lib

Successfully installed html5lib-1.1

**Note:- After running the above code cell, restart the kernel and don't run the above code cell after restarting the kernel.**

```
In [2]: !pip install bs4
        #!pip install requests
```

Collecting bs4

Downloading bs4-0.0.1.tar.gz (1.1 kB)

Preparing metadata (setup.py) ... done

Requirement already satisfied: beautifulsoup4 in /home/jupyterlab/conda/envs/python/lib/python3.7/site-packages (from bs4) (4.11.1)

Requirement already satisfied: soupsieve>1.2 in /home/jupyterlab/conda/envs/python/lib/python3.7/site-packages (from beautifulsoup4->bs4) (2.3.2.post1)

Building wheels for collected packages: bs4

Building wheel for bs4 (setup.py) ... done

Created wheel for bs4: filename=bs4-0.0.1-py3-none-any.whl size=1257 sha256=4ea6672efab1f3700ac5f1385daf5e89f3aa2de0319301a1b90d5a39b2c2cf0f

Stored in directory: /home/jupyterlab/.cache/pip/wheels/0a/9e/ba/20e5bbc1afef3a491f0b3bb74d508f99403aabe76eda2167ca

Successfully built bs4

Installing collected packages: bs4

Successfully installed bs4-0.0.1

Import the required modules and functions

```
In [10]: from bs4 import BeautifulSoup # this module helps in web scrapping.
        import requests # this module helps us to download a web page
        import pandas as pd
        !pip install randomuser
        from randomuser import RandomUser
```

Requirement already satisfied: randomuser in /home/jupyterlab/conda/envs/python/lib/python3.7/site-packages (1.6)

```
In [12]: import requests
        import json
```

## Beautiful Soup Objects

Beautiful Soup is a Python library for pulling data out of HTML and XML files, we will focus on HTML files. This is accomplished by representing the HTML as a set of objects with methods used to parse the HTML. We can navigate the HTML as a tree, and/or filter out what we are looking for.

Consider the following HTML:

```
In [3]: %%html
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h3><b id='boldest'>Lebron James</b></h3>
<p> Salary: $ 92,000,000 </p>
<h3> Stephen Curry</h3>
<p> Salary: $85,000, 000 </p>
<h3> Kevin Durant </h3>
<p> Salary: $73,200, 000</p>
</body>
</html>
```

## Lebron James

Salary: \$ 92,000,000

## Stephen Curry

Salary: \$85,000, 000

## Kevin Durant

Salary: \$73,200, 000

```
In [13]: url= "https://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-le
fmcg_data= requests.get(url).text
fmcg_data
```

[illegible]

```

sMs:d.oD,inactiveMs:d.Hb},ssl:void 0,obfuscate:void 0,jseErrors:{enabled:!0,harvestTimeSeconds:10},metrics:{enabled:!0},page_action:{enabled:!0,harvestTimeSeconds:30},page_view_event:{enabled:!0},page_view_timing:{enabled:!0,harvestTimeSeconds:30},long_task:{!1},session_trace:{enabled:!0,harvestTimeSeconds:10},harvest:{tooManyRequestsDelay:60},session_replay:{enabled:!1,harvestTimeSeconds:60,sampleRate:.1,errorSampleRate:.1,maskTextSelector:"*",maskAllInputs:!0,get_blockClass(){return"nr-block"},get_ignoreClass(){return"nr-ignore"},get_maskTextClass(){return"nr-mask"},get_blockSelector(){return e.blockSelector},set_blockSelector(t){e.blockSelector+=".",concat(t)},get_maskInputOptions(){return e.maskInputOptions},set_maskInputOptions(t){e.maskInputOptions={...t,password:!0}}},spa:{enabled:!0,harvestTimeSeconds:10}},l={};function f(e){if(!e)throw new Error("All configuration objects require an agent identifier!");if(!l[e])throw new Error("Configuration for ".concat(e," was never set"));return l[e]}function h(e,t){if(!e)throw new Error("All configuration objects require an agent identifier!");l[e]=(0,i.D)(t,u()),(0,n.Qy)(e,l[e],"config")}function g(e,t){if(!e)throw new Error("All configuration objects require an agent identifier!");var r=f(e);if(r){for(var n=t.split("."),i=0;i<n.length-1;i++)if("object"!==typeof(r=r[n[i]]))return;r=r[n.length-1]}return r}const p={accountId:void 0,trustKey:void 0,agentID:void 0,licenseKey:void 0,applicationID:void 0,xpid:void 0},m={};function v(e){if(!e)throw new Error("All loader-config objects require an agent identifier!");if(!m[e])throw new Error("LoaderConfig for ".concat(e," was never set"));return m[e]}function b(e,t){if(!e)throw new Error("All loader-config objects require an agent identifier!");m[e]=(0,i.D)(t,p),(0,n.Qy)(e,m[e],"loader_config")}const y=(0,n.mF)().o;var w=r(385),x=r(6818);const A={buildEnv:x.Re,bytesSent:{},queryBytesSent:{},customTransaction:void 0,disabled:!1,distMethod:x.gF,isolatedBacklog:!1,loaderType:void 0,maxBytes:3e4,offset:Math.floor(w._A?.performance?.timeOrigin|w._A?.performance?.timing?.navigationStart|Date.now()),onerror:void 0,origin:""+w._A.location,ptid:void 0,releaseIds:{},session:void 0,xhrWrappable:"function"===typeof w._A.XMLHttpRequest?.prototype?.addEventListener,version:x.q4,denyList:void 0},E={};function T(e){if(!e)throw new Error("All runtime objects require an agent identifier!");if(!E[e])throw new Error("Runtime for ".concat(e," was never set"));return E[e]}function _(e,t){if(!e)throw new Error("All runtime objects require an agent identifier!");E[e]=(0,i.D)(t,A),(0,n.Qy)(e,E[e],"runtime")}function j(e){return function(e){try{const t=s(e);return!!t.licenseKey&&!!t.errorBeacon&&!!t.applicationID}catch(e){return!1}}(e)},9567:(e,t,r)=>{r.d(t,{D:()=>i});var n=r(50);function i(e,t){try{if(!e||"object"!==typeof e)return(0,n.Z)("Setting a Configurable requires an object as input");if(!t||"object"!==typeof t)return(0,n.Z)("Setting a Configurable requires a model to set its initial properties");const r=Object.create(Object.getPrototypeOf(t),Object.getOwnPropertyDescriptors(t)),o=0===Object.keys(r).length?e:r;for(let a in o){if(void 0!==e[a])try{"object"===typeof e[a]&&"object"===typeof t[a]?r[a]=i(e[a],t[a]):r[a]=e[a]}catch(e){(0,n.Z)("An error occurred while setting a property of a Configurable",e)}return r}catch(e){(0,n.Z)("An error occurred while setting a Configurable",e)}}},6818:(e,t,r)=>{r.d(t,{Re:()=>i,gF:()=>o,q4:()=>n});const n="1.237.1",i="PROD",o="CDN"},385:(e,t,r)=>{r.d(t,{FN:()=>a,IF:()=>d,Nk:()=>l,Tt:()=>s,_A:()=>o,il:()=>n,pL:()=>c,v6:()=>i,w1:()=>u});const n="undefined"!==typeof window&&!window.document,i="undefined"!==typeof WorkerGlobalScope&&("undefined"!==typeof self&&self instanceof WorkerGlobalScope&&self.navigato instanceof WorkerNavigator||"undefined"!==typeof globalThis&&globalThis instanceof WorkerGlobalScope&&globalThis.navigato instanceof WorkerNavigator),o=n?window:"undefined"!==typeof WorkerGlobalScope&&("undefined"!==typeof self&&self instanceof WorkerGlobalScope&&self||"undefined"!==typeof globalThis&&globalThis instanceof WorkerGlobalScope&&globalThis),a=""+"o?.location,s=/iPad|iPhone|iPod/.test(navigator.userAgent),c=s&&"undefined"===typeof SharedWorker,d=()=>{const e=navigator.userAgent.match(/Firefox[/\\s](\\d+\\.\\d+\\.\\d+)/);return Array.isArray(e)&&e.length>=2?e[1]:0}(),u=Boolean(n&&window.document.documentMode),l=!navigator.sendBeacon},1117:(e,t,r)=>{r.d(t,{w:()=>o});var n=r(50);const i={agentIdentifier:"",ee:void 0};class o{constructor(e){try{if("object"!==typeof e)return(0,n.Z)("shared context requi

```

```

res an object as input");this.sharedContext={},Object.assign(this.sharedContext,
i),Object.entries(e).forEach((e=>{let[t,r]=e;Object.keys(i).includes(t)&&(this.sh
aredContext[t]=r)}))}catch(e){(0,n.Z)("An error occurred while setting SharedConte
xt",e)}}},8e3:(e,t,r)=>{r.d(t,{L:()=>u,R:()=>c});var n=r(2177),i=r(1284),o=r(432
2),a=r(3325);const s={};function c(e,t){const r={staged:!1,priority:a.p[t]||0};d
(e),s[e].get(t)||s[e].set(t,r)}function d(e){e&&(s[e]||(s[e]=new Map))}function u
(){let e=arguments.length>0&&void 0!==arguments[0]?arguments[0]:"",t=arguments.len
gth>1&&void 0!==arguments[1]?arguments[1]:"feature";if(d(e),!e||!s[e].get(t))retur
n a(t);s[e].get(t).staged=!0;const r=[...s[e]];function a(t){const r=e?n.ee.get
(e):n.ee,a=o.X.handlers;if(r.backlog&&a){var s=r.backlog[t],c=a[t];if(c){for(var d
=0;s&&d<s.length;++d)l(s[d],c);(0,i.D)(c,(function(e,t){(0,i.D)(t,(function(t,r){r
[0].on(e,r[1]))})))}delete a[t],r.backlog[t]=null,r.emit("drain-"+t,[,])}}r.every
((e=>{let[t,r]=e;return r.staged}))&&(r.sort(((e,t)=>e[1].priority-t[1].priorit
y)),r.forEach((e=>{let[t]=e;a(t)})))}function l(e,t){var r=e[1];(0,i.D)(t[r],(func
tion(t,r){var n=e[0];if(r[0]===n){var i=r[1],o=e[3],a=e[2];i.apply(o,a)}))}},217
7:(e,t,r)=>{r.d(t,{c:()=>l,ee:()=>d});var n=r(8632),i=r(2210),o=r(1284),a=r(5763),
s="nr@context";let c=(0,n.fP)();var d;function u(){function l(e){return(0,i.X)(e,
s,f)}function f(){return new u}function h(){d.aborted=!0,d.backlog={}}c.ee?d=c.ee:
(d=function e(t,r){var n={},c={},l={},g=!1;try{g=16===r.length&&(0,a.OP)(r).isolat
edBacklog}catch(e){}var p={on:b,addEventListener:b,removeEventListener:y,emit:v,ge
t:x,listeners:w,context:m,buffer:A,abort:h,aborted:!1,isBuffering:E,debugId:r,back
log:g?{}:t&&"object"===typeof t.backlog?t.backlog:{}};return p;function m(e){return
e&&e instanceof u?e:e?(0,i.X)(e,s,f):f()}function v(e,r,n,i,o){if(!1!==o&&(o=!0),!
d.aborted||i){t&&o&&t.emit(e,r,n);for(var a=m(n),s=w(e),u=s.length,l=0;l<u;l++)s
[l].apply(a,r);var f=T()[c[e]];return f&&f.push([p,e,r,a]),a}function b(e,t){n[e]
=w(e).concat(t)}function y(e,t){var r=n[e];if(r)for(var i=0;i<r.length;i++)r[i]===
t&&r.splice(i,1)}function w(e){return n[e]||[]}function x(t){return l[t]=l[t]||e
(p,t)}function A(e,t){var r=T();p.aborted||(0,o.D)(e,(function(e,n){t=t||"featur
e",c[n]=t,t in r||(r[t]=[]))})}function E(e){return!!T()[c[e]]}function T(){return
p.backlog}}(void 0,"globalEE"),c.ee=d}},5546:(e,t,r)=>{r.d(t,{E:()=>n,p:()=>i});va
r n=r(2177).ee.get("handle");function i(e,t,r,i,o){o?(o.buffer([e],i),o.emit(e,t,
r)):(n.buffer([e],i),n.emit(e,t,r))},4322:(e,t,r)=>{r.d(t,{X:()=>o});var n=r(554
6);o.on=a;var i=o.handlers={};function o(e,t,r,o){a(o|n.E,i,e,t,r)}function a(e,
t,r,i,o){o||(o="feature"),e||(e=n.E);var a=t[o]=t[o]||{};(a[r]=a[r]||[]).push([e,
i]}},3239:(e,t,r)=>{r.d(t,{bP:()=>s,iz:()=>c,m$:()=>a});var n=r(385);let i=!1,o=!
1;try{const e={get passive(){return i=!0,!1},get signal(){return o=!0,!1}};n._A.ad
dEventListener("test",null,e),n._A.removeEventListener("test",null,e)}catch(e){fu
nction a(e,t){return i||o?{capture:!!e,passive:i,signal:t}:!e}function s(e,t){let
r=arguments.length>2&&void 0!==arguments[2]&&arguments[2],n=arguments.length>3?arg
uments[3]:void 0;window.addEventListener(e,t,a(r,n))}function c(e,t){let r=argumen
ts.length>2&&void 0!==arguments[2]&&arguments[2],n=arguments.length>3?arguments
[3]:void 0;document.addEventListener(e,t,a(r,n))}},4402:(e,t,r)=>{r.d(t,{Ht:()=>d,
M:()=>c,Rl:()=>a,ky:()=>s});var n=r(385);const i="xxxxxxxx-xxxx-4xxx-yxxx-xxxxxxxx
xxxx";function o(e,t){return e?15&e[t]:16*Math.random()|0}function a(){const e=n._
A?.crypto|n._A?.msCrypto;let t,r=0;return e&&e.getRandomValues&&(t=e.getRandomVal
ues(new Uint8Array(31))),i.split("").map((e=>"x"===e?o(t,++r).toString(16):"y"===
e?(3&o()|8).toString(16):e)).join("")}function s(e){const t=n._A?.crypto|n._A?.ms
Crypto;let r,i=0;t&&t.getRandomValues&&(r=t.getRandomValues(new Uint8Array(31)));c
onst a=[];for(var s=0;s<e;s++)a.push(o(r,++i).toString(16));return a.join("")}func
tion c(){return s(16)}function d(){return s(32)}},7056:(e,t,r)=>{r.d(t,{Bq:()=>n,H
b:()=>o,oD:()=>i});const n="NRBA",i=144e5,o=18e5},7894:(e,t,r)=>{function n(){retu
rn Math.round(performance.now())}r.d(t,{z:()=>n}),7243:(e,t,r)=>{r.d(t,{e:()=>
o});var n=r(385),i={};function o(e){if(e in i)return i[e];if(0===(e|"").indexOf
("data:"))return{protocol:"data"};let t;var r=n._A?.location,o={};if(n.il)t=docume
nt.createElement("a"),t.href=e;else try{t=new URL(e,r.href)}catch(e){return o}o.po
rt=t.port;var a=t.href.split("://");!o.port&&a[1]&&(o.port=a[1].split("/")[0].spli

```

file:///C:/Users/Sunil Deshmukh/OneDrive/Desktop/Data analysis course/Python for Data Science, AI & Development/Week 5/Wk5.3 labs module 1... 7/226

```

[n]);return t}function u(e){return!(e&&e instanceof Function&&e.apply&&!e[i])}var
l=r(2210),f=r(385);const h={},g=XMLHttpRequest,p="addEventListener",m="removeEvent
Listener";function v(e){var t=function(e){return(e||n.oo).get("events")}(e);if(h
[t.debugId]++)return t;h[t.debugId]=1;var r=s(t,!0);function i(e){r.inPlace(e,[p,
m],"-",o)}function o(e,t){return e[1]}return"getPrototypeOf"in Object&&(f.il&&b(do
cument,i),b(f._A,i),b(g.prototype,i)),t.on(p+"-start",(function(e,t){var n=e[1];if
(null!=n&&("function"==typeof n||"object"==typeof n)){var i=(0,l.X)(n,"nr@wrappe
d",(function(){var e={object:function(){if("function"!=typeof n.handleEvent)retur
n;n.handleEvent.apply(n,arguments)},function:n}[typeof n];return e?r(e,"fn-
",null,e.name||"anonymous"):n}));this.wrapped=e[1]=i})),t.on(m+"-start",(function
(e){e[1]=this.wrapped||e[1]})),t}function b(e,t){let r=e;for("object"==typeof r&
&!Object.prototype.hasOwnProperty.call(r,p));r=Object.getPrototypeOf(r);for(var n=
arguments.length,i=new Array(n>2?n-2:0),o=2;o<n;o++)i[o-2]=arguments[o];r&&t(r,...
i)}var y="fetch-",w=y+"body-",x=["arrayBuffer","blob","json","text","formData"],A=
f._A.Request,E=f._A.Response,T="prototype",_="nr@context";const j={};function D(e)
{const t=function(e){return(e||n.oo).get("fetch")}(e);if(!A&&E&&f._A.fetch)retur
n t;if(j[t.debugId]++)return t;function r(e,r,n){var i=e[r];"function"==typeof i&&
(e[r]=function(){var e,r=[...arguments],o={};t.emit(n+"before-start",[r],o),o[_]&&
o[_].dt&&(e=o[_].dt);var a=i.apply(this,r);return t.emit(n+"start",[r,e],a),a.then
((function(e){return t.emit(n+"end",[null,e],a),e}),(function(e){throw t.emit(n+"e
nd",[e],a),e})))}return j[t.debugId]=1,x.forEach((e=>{r(A[T],e,w),r(E[T],e,w)})),
r(f._A,"fetch",y),t.on(y+"end",(function(e,r){var n=this;if(r){var i=r.headers.get
("content-length");null!=i&&(n.rxSize=i),t.emit(y+"done",[null,r],n)}else t.emit
(y+"done",[e],n)})),t}const C={},N=["pushState","replaceState"];function S(e){cons
t t=function(e){return(e||n.oo).get("history")}(e);return!f.il||C[t.debugId]++||C
[t.debugId]=1,s(t).inPlace(window.history,N,"-"),t}var O=r(3239);const P={},R=["a
ppendChild","insertBefore","replaceChild"];function I(e){const t=function(e){retur
n(e||n.oo).get("jsonp")}(e);if(!f.il||P[t.debugId])return t;P[t.debugId]=!0;var r=
s(t),i=/[?&](?:callback|cb)=([^\&#]+)/,o=/(.*)\.\.([^\.]*)/,a=/^(\w+)(\.\.|\$)(.*)$/;f
unction c(e,t){if(!e)return t;const r=e.match(a),n=r[1];return c(r[3],t[n])}return
r.inPlace(Node.prototype,R,"dom-"),t.on("dom-start",(function(e){!function(e){if(!
e||"string"!=typeof e.nodeName||"script"!=e.nodeName.toLowerCase())return;if("fun
ction"!=typeof e.addEventListener)return;var n=(a=e.src,s=a.match(i),s?s[1]:null);
var a,s;if(!n)return;var d=function(e){var t=e.match(o);if(t&&t.length>=3)return{k
ey:t[2],parent:c(t[1],window)};return{key:e,parent:window}}(n);if("function"!=type
of d.parent[d.key])return;var u={};function l(){t.emit("jsonp-end",[],u),e.removeE
ventListener("load",l,(0,0.m$)(!1)),e.removeEventListener("error",f,(0,0.m$)(!1))}
function f(){t.emit("jsonp-error",[],u),t.emit("jsonp-end",[],u),e.removeEventList
ener("load",l,(0,0.m$)(!1)),e.removeEventListener("error",f,(0,0.m$)(!1))}r.inPlac
e(d.parent,[d.key],"cb-",u),e.addEventListener("load",l,(0,0.m$)(!1)),e.addEventLi
stener("error",f,(0,0.m$)(!1)),t.emit("new-jsonp",[e.src],u)}(e[0]))},t}var k=r(5
763);const H={};function z(e){const t=function(e){return(e||n.oo).get("mutation")}(
e);if(!f.il||H[t.debugId])return t;H[t.debugId]=!0;var r=s(t),i=k.Yu.M0;return i&
(window.MutationObserver=function(e){return this instanceof i?new i(r(e,"fn-")):
i.apply(this,arguments)},MutationObserver.prototype=i.prototype),t}const L={};func
tion M(e){const t=function(e){return(e||n.oo).get("promise")}(e);if(L[t.debugId])r
eturn t;L[t.debugId]=!0;var r=n.c,o=s(t),a=k.Yu.PR;return a&&function(){function e
(r){var n=t.context(),i=o(r,"executor-",n,null,!1);const s=Reflect.construct(a,
[i],e);return t.context(s).getCtx=function(){return n},s}f._A.Promise=e,Object.def
ineProperty(e,"name",{value:"Promise"}),e.toString=function(){return a.toString
()},Object.setPrototypeOf(e,a),["all","race"].forEach((function(r){const n=a[r];e
[r]=function(e){let i=!1;[...e][0].forEach((e=>{this.resolve(e).then(a("all"===
r),a(!1))}));const o=n.apply(this,arguments);return o;function a(e){return functio
n(){t.emit("propagate",[null,!i],o,!1,!1),i=i||!e}})),["resolve","reject"].forEa
ch((function(r){const n=a[r];e[r]=function(e){const r=n.apply(this,arguments);retu
rn e!=r&&t.emit("propagate",[e,!0],r,!1,!1),r})),e.prototype=a.prototype;const n

```



```

=a.prototype.then;a.prototype.then=function(){var e=this,i=r(e);i.promise=e;for(va
r a=arguments.length,s=new Array(a),c=0;c<a;c++)s[c]=arguments[c];s[0]=o(s[0],"cb-
",i,null,!1),s[1]=o(s[1],"cb-",i,null,!1);const d=n.apply(this,s);return i.nextPro
mise=d,t.emit("propagate",[e,!0],d,!1,!1),d,a.prototype.then[i]=n,t.on("executor-
start",(function(e){e[0]=o(e[0],"resolve-",this,null,!1),e[1]=o(e[1],"resolve-",th
is,null,!1)})),t.on("executor-err",(function(e,t,r){e[1](r)})),t.on("cb-end",(func
tion(e,r,n){t.emit("propagate",[n,!0],this.nextPromise,!1,!1)})),t.on("propagate",
(function(e,r,n){this.getCtx&&!r||((this.getCtx=function(){if(e instanceof Promise)
var r=t.context(e);return r&&r.getCtx?r.getCtx():this})))},t)const B={},F="setT
imeout",U="setInterval",q="clearTimeout",Z="-start",G="-",V=[F,"setImmediate",U,
q,"clearImmediate"];function X(e){const t=function(e){return(e|n.tee).get("time
r")}(e);if(B[t.debugId]++)return t;B[t.debugId]=1;var r=s(t);return r.inPlace(f._
A,V.slice(0,2),F+G),r.inPlace(f._A,V.slice(2,3),U+G),r.inPlace(f._A,V.slice(3),q+
G),t.on(U+Z,(function(e,t,n){e[0]=r(e[0],"fn-",null,n)})),t.on(F+Z,(function(e,t,
n){this.method=n,this.timerDuration=isNaN(e[1])?0:+e[1],e[0]=r(e[0],"fn-",this,
n)})),t)var W=r(50);const Y={},Q=["open","send"];function K(e){var t=e|n.tee;const
r=function(e){return(e|n.tee).get("xhr")}(t);if(Y[r.debugId]++)return r;Y[r.debugI
d]=1,v(t);var i=s(r),o=k.Yu.XHR,a=k.Yu.MO,c=k.Yu.PR,d=k.Yu.SI,u="readystatechange
e",l=["onload","onerror","onabort","onloadstart","onloadend","onprogress","ontimeo
ut"],h=[],g=f._A.XMLHttpRequest.listeners,p=f._A.XMLHttpRequest=function(e){var t=
new o(e);function n(){try{r.emit("new-xhr",[t],t),t.addEventListener(u,b,(0,0.m$)
(!1))}catch(e){(0,W.Z)("An error occured while intercepting XHR",e);try{r.emit("in
ternal-error",[e])}catch(e){}}return this.listeners=g?[...g,n]:[n],this.listener
s.forEach((e=>e()),t);function m(e,t){i.inPlace(t,["onreadystatechange"],"fn-",
E)}function b(){var e=this,t=r.context(e);e.readyState>3&&!t.resolved&&(t.resolved
=!0,r.emit("xhr-resolved",[t],e)),i.inPlace(e,l,"fn-",E)}if(function(e,t){for(var r
in e)t[r]=e[r]}(o,p),p.prototype=o.prototype,i.inPlace(p.prototype,Q,"-xhr-",E),r.
on("send-xhr-start",(function(e,t){m(e,t),function(e){h.push(e),a&&(y.y.then(A):d?
d(A):(w=-w,x.data=w)}(t)})),r.on("open-xhr-start",m),a){var y=c&&c.resolve();if(!
d&&!c){var w=1,x=document.createTextNode(w);new a(A).observe(x,{characterData:!
0})}else t.on("fn-end",(function(e){e[0]&&e[0].type===u|A()}));function A(){for
(var e=0;e<h.length;e++)m(0,h[e]);h.length&&(h=[])}function E(e,t){return t}return
r}},7825:(e,t,r)=>{r.d(t,{t:()=>n});const n=r(3325).D.ajax},6660:(e,t,r)=>{r.d(t,
{t:()=>n});const n=r(3325).D.jserrors},3081:(e,t,r)=>{r.d(t,{gF:()=>o,mY:()=>i,t9:
()=>n,vz:()=>s,xS:()=>a});const n=r(3325).D.metrics,i="sm",o="cm",a="storeSupporta
bilityMetrics",s="storeEventMetrics"},4649:(e,t,r)=>{r.d(t,{t:()=>n});const n=r(33
25).D.pageAction},7633:(e,t,r)=>{r.d(t,{Dz:()=>i,OJ:()=>a,qw:()=>o,t9:()=>n});cons
t n=r(3325).D.pageViewEvent,i="firstbyte",o="domcontent",a="windowload"},9251:(e,
t,r)=>{r.d(t,{t:()=>n});const n=r(3325).D.pageViewTiming},3614:(e,t,r)=>{r.d(t,{BS
T_RESOURCE:()=>i,END:()=>s,FEATURE_NAME:()=>n,FN_END:()=>d,FN_START:()=>c,PUSH_STA
TE:()=>u,RESOURCE:()=>o,START:()=>a});const n=r(3325).D.sessionTrace,i="bstResourc
e",o="resource",a="-start",s="-end",c="fn"+a,d="fn"+s,u="pushState"},7836:(e,t,r)=
>{r.d(t,{BODY:()=>A,CB_END:()=>E,CB_START:()=>d,END:()=>x,FEATURE_NAME:()=>i,FETC
H:()=>_,FETCH_BODY:()=>v,FETCH_DONE:()=>m,FETCH_START:()=>p,FN_END:()=>c,FN_START:
()=>s,INTERACTION:()=>f,INTERACTION_API:()=>u,INTERACTION_EVENTS:()=>o,JSONP_END:
()=>b,JSONP_NODE:()=>g,JS_TIME:()=>T,MAX_TIMER_BUDGET:()=>a,REMAINING:()=>l,SPA_NO
DE:()=>h,START:()=>w,originalSetTimeout:()=>y});var n=r(5763);const i=r(3325).D.sp
a,o=["click","submit","keypress","keydown","keyup","change"],a=999,s="fn-start",c
="fn-end",d="cb-start",u="api-ixn-",l="remaining",f="interaction",h="spaNode",g="j
sonpNode",p="fetch-start",m="fetch-done",v="fetch-body-",b="jsonp-end",y=n.Yu.ST,w
="-start",x="-end",A="-body",E="cb"+x,T="jsTime",_="fetch"},5938:(e,t,r)=>{r.d(t,
{W:()=>o});var n=r(5763),i=r(2177);class o{constructor(e,t,r){this.agentIdentifier
=e,this.aggregator=t,this.tee=i.tee.get(e,(0,n.OP)(this.agentIdentifier).isolatedBac
klog),this.featureName=r,this.blocked=!1}},9144:(e,t,r)=>{r.d(t,{j:()=>m});var n=
r(3325),i=r(5763),o=r(5546),a=r(2177),s=r(7894),c=r(8e3),d=r(3960),u=r(385),l=r(5
0),f=r(3081),h=r(8632);function g(){const e=(0,h.gG)();["setErrorHandler","finishe

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d","addToTrace","inlineHit","addRelease","addPageAction","setCurrentRouteName","setPageViewName","setCustomAttribute","interaction","noticeError","setUserId"].forEach((t=>{e[t]=function(){for(var r=arguments.length,n=new Array(r),i=0;i<r;i++)n[i]=arguments[i];return function(t){for(var r=arguments.length,n=new Array(r>1?r-1:0),i=1;i<r;i++)n[i-1]=arguments[i];let o=[];return Object.values(e.initializedAgents).forEach((e=>{e.exposed&&e.api[t]&&o.push(e.api[t](...n))}),o.length>1?o:o[0])(t,...n)}}))var p=r(2587);function m(e){let t=arguments.length>1&&void 0!==arguments[1]?arguments[1]:{},m=arguments.length>2?arguments[2]:void 0,v=arguments.length>3?arguments[3]:void 0,{init:b,info:y,loader_config:w,runtime:x={loaderType:m},exposed:A=!0}=t;const E=(0,h.gG)();y||(b=E.init,y=E.info,w=E.loader_config),(0,i.Dg)(e,b|{}),(0,i.GE)(e,w|{}),y.jsAttributes?={},u.v6&&(y.jsAttributes.isWorker=!0),(0,i.CX)(e,y);const T=(0,i.P_)(e);x.denyList=[...T.ajax?.deny_list||[],...T.ajax?.block_internal?[y.beacon,y.errorBeacon]:[]],(0,i.sU)(e,x),g();const _=function(e,t){t||(0,c.R)(e,"api");const h={};var g=a.ee.get(e),p=g.get("tracer"),m="api-",v=m+"ixn-";function b(t,r,n,o){const a=(0,i.C5)(e);return null===r?delete a.jsAttributes[t]:(0,i.CX)(e,{...a.jsAttributes:{...a.jsAttributes,[t]:r}},x(m,n,!0,o)|null===r?"session":void 0)(t,r)}function y(){["setErrorHandler","finished","addToTrace","inlineHit","addRelease"].forEach((e=>h[e]=x(m,e,!0,"api"))),h.addPageAction=x(m,"addPageAction",!0,n.D.pageAction),h.setCurrentRouteName=x(m,"routeName",!0,n.D.spa),h.setPageViewName=function(t,r){if("string"===typeof t)return"/"!==t.charAt(0)&&(t="/" + t),(0,i.OP)(e).customTransaction=(r||"http://custom.transaction")+t,x(m,"setPageViewName",!0)(),h.setCustomAttribute=function(e,t){let r=arguments.length>2&&void 0!==arguments[2]&&arguments[2];if("string"===typeof e){if(["string","number"].includes(typeof t)||null===t)return b(e,t,"setCustomAttribute",r);(0,l.Z)("Failed to execute setCustomAttribute.\nNon-null value must be a string or number type, but a type of <".concat(typeof t,"> was provided."))}else(0,l.Z)("Failed to execute setCustomAttribute.\nName must be a string type, but a type of <".concat(typeof e,"> was provided."))},h.setUserId=function(e){if("string"===typeof e||null===e)return b("enduser.id",e,"setUserId",!0);(0,l.Z)("Failed to execute setUserId.\nNon-null value must be a string type, but a type of <".concat(typeof e,"> was provided."))},h.interaction=function(){return(new y).get();var w=y.prototype={createTracer:function(e,t){var r={},i=this,a="function"===typeof t;return(0,o.p)(v+"tracer",[(0,s.z)(),e,r],i,n.D.spa,g),function(){if(p.emit((a?"":"no-")+"fn-start",[(0,s.z)(),i,a],r),a)try{return t.apply(this,arguments)}catch(e){throw p.emit("fn-err",[arguments,this,e],r),e}finally{p.emit("fn-end",[(0,s.z)(),r])}}};function x(e,t,r,i){return function(){return(0,o.p)(f.xS,["API/"+t+"/called"],void 0,n.D.metrics,g),i&&(0,o.p)(e+t,[(0,s.z)(),...arguments],r?null:this,i,g),r?void 0:this}}function A(){r.e(439).then(r.bind(r,7438)).then((t=>{let{setAPI:r}=t;r(e),(0,c.L)(e,"api"))}).catch((()=>(0,l.Z)("Downloading runtime APIs failed...")))}return["actionText","setName","setAttribute","save","ignore","onEnd","getContext","end","get"].forEach((e=>{w[e]=x(v,e,void 0,n.D.spa)})),h.noticeError=function(e,t){"string"===typeof e&&(e=new Error(e)),(0,o.p)(f.xS,["API/noticeError/called"],void 0,n.D.metrics,g),(0,o.p)("err",[e,(0,s.z)(),!1,t],void 0,n.D.jserrors,g),u.il?(0,d.b)((()=>A()),!0):A(),h}(e,v);return(0,h.Qy)(e,_,"api"),(0,h.Qy)(e,A,"exposed"),(0,h.EZ)("activatedFeatures",p.T),_},3325:(e,t,r)=>{r.d(t,{D:()=>n,p:()=>i});const n={ajax:"ajax",jserrors:"jserrors",metrics:"metrics",pageAction:"page_action",pageViewEvent:"page_view_event",pageViewTiming:"page_view_timing",sessionReplay:"session_replay",sessionTrace:"session_trace",spa:"spa"},i=[{n.pageViewEvent:1,[n.pageViewTiming]:2,[n.metrics]:3,[n.jserrors]:4,[n.ajax]:5,[n.sessionTrace]:6,[n.pageAction]:7,[n.spa]:8,[n.sessionReplay]:9}],n={};function i(e){var t=n[e];if(void 0!==t)return t.exports;var o=n[e]={exports:{}};return r[e](o,o.exports,i),o.exports}i.m=r,i.d=(e,t)=>{for(var r in t)i.o(t,r)&&!i.o(e,r)&&Object.defineProperty(e,r,{enumerable:!0,get:t[r]})},i.f={},i.e=e=>Promise.all(Object.keys(i.f).reduce((t,r)=>{i.f[r](e,t),t}),[]),i.u=e=>({78:"page_action-aggregate",147:"metrics-aggregate",193:"session_trace-aggregate",242:"session-manager",317:"jserrors-aggregate",348:"page_view_timing-aggregate",412:"lazy-feature-loader",439:"async-api",538:"recorde

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r",590:"session_replay-aggregate",675:"compressor",786:"page_view_event-aggregate",873:"spa-aggregate",898:"ajax-aggregate"}[e]|e)+"."+{78:"467f8594",147:"b86cefcf",193:"ac30a1f3",242:"d080e4cc",317:"319b8300",348:"7b2a53ee",412:"c1052c27",439:"e9f77430",538:"9c5c1546",590:"8b420469",646:"9e7a6b8d",675:"9614fd62",786:"4988d952",860:"95a91211",873:"550eec7b",898:"d95c640e"}[e]+"-1.237.1.min.js"),i.o=(e,t)=>Object.prototype.hasOwnProperty.call(e,t),e={},t="NRBA:",i.l=(r,n,o,a)=>{if(e[r])e[r].push(n);else{var s,c;if(void 0!==o)for(var d=document.getElementsByTagName("script"),u=0;u<d.length;u++){var l=d[u];if(l.getAttribute("src")==r||l.getAttribute("data-webpack")==t+o){s=l;break}}s||(c=!0,(s=document.createElement("script")).charset="utf-8",s.timeout=120,i.nc&&s.setAttribute("nonce",i.nc),s.setAttribute("data-webpack",t+o),s.src=r),e[r]=[n];var f=(t,n)=>{s.onerror=s.onload=null,clearTimeout(h);var i=e[r];if(delete e[r],s.parentNode&&s.parentNode.removeChild(s),i&&i.forEach((e=>e(n))),t)return t(n)},h=setTimeout(f.bind(null,void 0,{type:"timeout",target:s}),12e4);s.onerror=f.bind(null,s.onerror),s.onload=f.bind(null,s.onload),c&&document.head.appendChild(s)},i.r=e=>{"undefined"!==typeof Symbol&&Symbol.toStringTag&&Object.defineProperty(e,Symbol.toStringTag,{value:"Module"}),Object.defineProperty(e,"__esModule",{value:!0})},i.j=635,i.p="https://js-agent.newrelic.com/",(()=>>{var e={635:0,249:0};i.f.j=(t,r)=>{var n=i.o(e,t)?e[t]:void 0;if(0!==n)if(n)r.push(n[2]);else{var o=new Promise(((r,i)=>n=e[t]=[r,i]));r.push(n[2]=o);var a=i.p+i.u(t),s=new Error;i.l(a,(r=>{if(i.o(e,t)&&(0!==(n=e[t])&&(e[t]=void 0),n)){var o=r&&("load"===r.type?"missing":r.type),a=r&&r.target&&r.target.src;s.message="Loading chunk "+t+" failed.\n("+o+": "+a+")",s.name="ChunkLoadError",s.type=o,s.request=a,n[1](s)}),chunk-"+t,t)};var t=(t,r)=>{var n,o,[a,s,c]=r,d=0;if(a.some((t=>0!==(e[t])))}{for(n in s)i.o(s,n)&&(i.m[n]=s[n]);if(c)c(i)}for(t&&t(r);d<a.length;d++)o=a[d],i.o(e,o)&&e[o]&&e[o][0](),e[o]=0,r=window.webpackChunkNRBA=window.webpackChunkNRBA||[];r.forEach(t.bind(null,0)),r.push=t.bind(null,r.push.bind(r))}());var o={};(()=>>{i.r(o);var e=i(50);class t{addPageAction(t,r){(0,e.Z)("Call to agent api addPageAction failed. The session trace feature is not currently initialized.")}setPageViewName(t,r){(0,e.Z)("Call to agent api setPageViewName failed. The page view feature is not currently initialized.")}setCustomAttribute(t,r,n){(0,e.Z)("Call to agent api setCustomAttribute failed. The js errors feature is not currently initialized.")}noticeError(t,r){(0,e.Z)("Call to agent api noticeError failed. The js errors feature is not currently initialized.")}setUserId(t){(0,e.Z)("Call to agent api setUserId failed. The js errors feature is not currently initialized.")}setErrorHandler(t){(0,e.Z)("Call to agent api setErrorHandler failed. The js errors feature is not currently initialized.")}finished(t){(0,e.Z)("Call to agent api finished failed. The page action feature is not currently initialized.")}addRelease(t,r){(0,e.Z)("Call to agent api addRelease failed. The agent is not currently initialized.")}var r=i(3325),n=i(5763);const a=Object.values(r.D);function s(e){const t={};return a.forEach((r=>{t[r]=function(e,t){return!1!==(0,n.Mt)(t,"".concat(e,".enabled"))}(r,e)}),t)}var c=i(9144);var d=i(5546),u=i(385),l=i(8e3),f=i(5938),h=i(3960);class g extends f.W{constructor(e,t,r){let n=(arguments.length>3&&void 0!==arguments[3])||arguments[3];super(e,t,r),this.auto=n,this.abortHandler,this.featAggregate,this.onAggregateImported,n&&(0,l.R)(e,r)}importAggregator(){let t=arguments.length>0&&void 0!==arguments[0]?arguments[0]:{};if(this.featAggregate||!this.auto)return;const r=u.l&&0!==(0,n.Mt)(this.agentIdentifier,"privacy.cookies_enabled");let o;this.onAggregateImported=new Promise((e=>{o=e}));const a=async()=>{let n;try{if(r){const{setupAgentSession:e}=await Promise.all([i.e(860),i.e(242)]).then(i.bind(i,3228));n=e(this.agentIdentifier)}}catch(t){(0,e.Z)("A problem occurred when starting up session manager. This page will not start or extend any session.",t)}try{if(!this.shouldImportAgg(this.featureName,n))return(0,l.L)(this.agentIdentifier,this.featureName),void o(!1);const{lazyFeatureLoader:e}=await i.e(412).then(i.bind(i,8582)),{Aggregate:r}=await e(this.featureName,"aggregate");this.featAggregate=new r(this.agentIdentifier,this.aggregator,t),o(!0)}catch(t){(0,e.Z)("Downloading and initializing ".concat(this.featureName," failed..."),t),this.abortHandler?.(),o(!1)};u.il?(0,h.b)((()=>>a()),!0):a()}shouldImportAgg(e,t){return

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e!=r.D.sessionReplay||!n.Yu.MO&&(!1!==(0,n.Mt)(this.agentIdentifier,"session_trace.enabled"))&&(!t?.isNew||!t?.state.sessionReplay)}}var p=i(7633),m=i(7894);class v extends g{static featureName=p.t9;constructor(e,t){let i!=(arguments.length>2&&void 0!==arguments[2])||arguments[2];if(super(e,t,p.t9,i),("undefined"!==typeof PerformanceNavigationTiming|u.Tt)&&"undefined"!==typeof PerformanceTiming){const t=(0,n.OP)(e);t[p.Dz]=Math.max(Date.now()-t.offset,0),(0,h.K)((()=>>t[p.qw]=Math.max((0,m.z)()-t[p.Dz],0))),((0,h.b)((()=>>{const e=(0,m.z)();t[p.OJ]=Math.max(e-t[p.Dz],0),(0,d.p)("timing",["load",e],void 0,r.D.pageViewTiming,this.tee)}))}this.importAggregator()}}var b=i(1117),y=i(1284);class w extends b.w{constructor(e){super(e),this.aggregatedData={}}store(e,t,r,n,i){var o=this.getBucket(e,t,r,i);return o.metrics=function(e,t){t||(t={count:0});return t.count+=1,(0,y.D)(e,(function(e,r){t[e]=x(r,t[e]))}),t}(n,o.metrics),o)merge(e,t,r,n,i){var o=this.getBucket(e,t,n,i);if(o.metrics){var a=o.metrics;a.count+=r.count,(0,y.D)(r,(function(e,t){if("count"!==e){var n=a[e],i=r[e];i&&!i.c?a[e]=x(i,t,n):a[e]=function(e,t){if(!t)return e;t.c||(t=A(t));return t.min=Math.min(e.min,t.min),t.max=Math.max(e.max,t.max),t.t+=e.t,t.sos+=e.sos,t.c+=e.c,t}(i,a[e]))}}else o.metrics=r}storeMetric(e,t,r,n){var i=this.getBucket(e,t,r);return i.stats=x(n,i.stats),i}getBucket(e,t,r,n){this.aggregatedData[e]||(this.aggregatedData[e]={});var i=this.aggregatedData[e][t];return i||(i=this.aggregatedData[e][t]={params:r||{}}),n&&(i.custom=n),i}get(e,t){return t?this.aggregatedData[e]&&this.aggregatedData[e][t]:this.aggregatedData[e]}take(e){for(var t={},r="",n=1,i=0;i<e.length;i++)t[r=e[i]]=E(this.aggregatedData[r]),t[r].length&&(n!=0),delete this.aggregatedData[r];return n?t:null}}function x(e,t){return null==e?function(e){e?e.c++:e={c:1};return e}(t):t?(t.c||(t=A(t)),t.c+=1,t.t+=e,t.sos+=e*e,e>t.max&&(t.max=e),e<t.min&&(t.min=e),t):{t:e}}function A(e){return{t:e,min:e,max:e,sos:e*e,c:1}}function E(e){return"object"!==typeof e?(0,y.D)(e,T)}function T(e,t){return t}var _=i(8632),j=i(4402),D=i(4351);var C=i(7956),N=i(3239),S=i(9251);class O extends g{static featureName=S.t;constructor(e,t){let r!=(arguments.length>2&&void 0!==arguments[2])||arguments[2];super(e,t,S.t,r),u.il&&((0,n.OP)(e).initHidden=Boolean("hidden"===document.visibilityState),(0,C.N)((()=>>(0,d.p)("docHidden",[(0,m.z)()],void 0,S.t,this.tee)),!0),(0,N.bP)("pagehide",((()=>>(0,d.p)("winPagehide",[(0,m.z)()],void 0,S.t,this.tee))),this.importAggregator()}}var P=i(3081);class R extends g{static featureName=P.t9;constructor(e,t){let r!=(arguments.length>2&&void 0!==arguments[2])||arguments[2];super(e,t,P.t9,r),this.importAggregator()}}var I=i(6660);class k{constructor(e,t,r,n){this.name="UncaughtError",this.message=e,this.sourceURL=t,this.line=r,this.column=n}}class H extends g{static featureName=I.t;#e=new Set;constructor(e,t){let n!=(arguments.length>2&&void 0!==arguments[2])||arguments[2];super(e,t,I.t,n);try{this.removeOnAbort=new AbortController}catch(e){}this.tee.on("fn-err",((e,t,n)=>{this.abortHandler&&!this.#e.has(n)&&(this.#e.add(n),(0,d.p)("err",[this.#t(n),(0,m.z)()],void 0,r.D.jserrors,this.tee)})),this.tee.on("internal-error",(e=>{this.abortHandler&&(0,d.p)("ierr",[this.#t(e),(0,m.z)()],!0,void 0,r.D.jserrors,this.tee)})),u._A.addEventListener("unhandledrejection",(e=>{this.abortHandler&&(0,d.p)("err",[this.#r(e),(0,m.z)()],!1,{unhandledPromiseRejection:1},void 0,r.D.jserrors,this.tee)}),(0,N.m$)(!1,this.removeOnAbort?.signal)),u._A.addEventListener("error",(e=>{this.abortHandler&&(this.#e.has(e.error)?this.#e.delete(e.error):(0,d.p)("err",[this.#n(e),(0,m.z)()],void 0,r.D.jserrors,this.tee)}),(0,N.m$)(!1,this.removeOnAbort?.signal)),this.abortHandler=this.#i,this.importAggregator()#i(){this.removeOnAbort?.abort(),this.#e.clear(),this.abortHandler=void 0}#t(e){return e instanceof Error?e:void 0!==(e?.message?new k(e.message,e.filename||e.sourceURL,e.lineno||e.line,e.colno||e.col):new k("string"===typeof e?(0,D.P)(e))#r(e){let t="Unhandled Promise Rejection: ";if(e?.reason instanceof Error)try{return e.reason.message=t+e.reason.message,e.reason}catch(t){return e.reason}if(void 0===e.reason)return new k(t);const r=this.#t(e.reason);return r.message=t+r.message,r}#n(e){return e.error instanceof Error?e.error:new k(e.message,e.filename,e.lineno,e.colno)}var z=i(2210);let L=1;const M="nr@id";function B(e){const t=typeof e;return!e||"object"!==t&&"function"!==t?-1:e===u._A?0:(0,z.X)(e,M,(function(){return L++}))}function F(e){if("string"===typ

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eof e&&e.length)return e.length;if("object"==typeof e){if("undefined"!=typeof ArrayBuffer&&e instanceof ArrayBuffer&&e.byteLength)return e.byteLength;if("undefined"!=typeof Blob&&e instanceof Blob&&e.size)return e.size;if(!("undefined"!=typeof FormData&&e instanceof FormData))try{return(0,D.P)(e).length}catch(e){return}}var U=i(1214),q=i(7243);class Z{constructor(e){this.agentIdentifier=e,this.generateTracePayload=this.generateTracePayload.bind(this),this.shouldGenerateTrace=this.shouldGenerateTrace.bind(this)}generateTracePayload(e){if(!this.shouldGenerateTrace(e))return null;var t=(0,n.DL)(this.agentIdentifier);if(!t)return null;var r=(t.accountID||"").toString()||null,i=(t.agentID||"").toString()||null,o=(t.trustKey||"").toString()||null;if(!r||!i)return null;var a=(0,j.M)(),s=(0,j.Ht)(),c=Date.now(),d={spanId:a,traceId:s,timestamp:c};return(e.sameOrigin||this.isAllowedOrigin(e)&&this.s.useTraceContextHeadersForCors())&&(d.traceContextParentHeader=this.generateTraceContextParentHeader(a,s),d.traceContextStateHeader=this.generateTraceContextStateHeader(a,c,r,i,o)),(e.sameOrigin&&!this.excludeNewrelicHeader()||!e.sameOrigin&&this.s.isAllowedOrigin(e)&&this.useNewrelicHeaderForCors())&&(d.newrelicHeader=this.generateTraceHeader(a,s,c,r,i,o),d)}generateTraceContextParentHeader(e,t){return"00-
"+t+"-
"+e+"-01"}generateTraceContextStateHeader(e,t,r,n,i){return i+"@nr=0-1-
"+r+"-
"+n+"-
"+e+"-
"+t}generateTraceHeader(e,t,r,n,i,o){if(!("function"==typeof u._A?.btoa))return null;var a={v:[0,1],d:{ty:"Browser",ac:n,ap:i,id:e,tr:t,ti:r}};return o&&n!=o&&(a.d.tk=o),btoa((0,D.P)(a))}shouldGenerateTrace(e){return this.isDtEnabled()&&this.isAllowedOrigin(e)}isAllowedOrigin(e){var t=!1,r={};if((0,n.Mt)(this.s.agentIdentifier,"distributed_tracing")&&(r=(0,n.P_)(this.agentIdentifier).distributed_tracing),e.sameOrigin)t=!0;else if(r.allowed_origins instanceof Array)for(var i=0;i<r.allowed_origins.length;i++){var o=(0,q.e)(r.allowed_origins[i]);if(e.hostname===o.hostname&&e.protocol===o.protocol&&e.port===o.port){t=!0;break}}return t}isDtEnabled(){var e=(0,n.Mt)(this.agentIdentifier,"distributed_tracing");return!!e&&!!e.enabled}excludeNewrelicHeader(){var e=(0,n.Mt)(this.agentIdentifier,"distributed_tracing");return!!e&&!!e.exclude_newrelic_header}useNewrelicHeaderForCors(){var e=(0,n.Mt)(this.agentIdentifier,"distributed_tracing");return!!e&&!!e.cors_use_tracecontext_headers}}var G=i(7825),V=["load","error","abort","timeout"],X=V.length,W=n.Yu.REQ,Y=u._A.XMLHttpRequest;class Q extends g{static featureName=G.t;constructor(e,t){let i=(arguments.length>2&&void 0!==arguments[2])||arguments[2];super(e,t,G.t,i),(0,n.OP)(e).xhrWrappable&&(this.dt=new Z(e),this.handler=(e,t,r,n)=>(0,d.p)(e,t,r,n,this.tee),(0,U.u5)(this.tee),(0,U.Kf)(this.tee),function(e,t,i,o){function a(e){var t=this;t.totalCbs=0,t.called=0,t.cbTime=0,t.end=E,t.ended=!1,t.xhrGuids={},t.lastSize=null,t.loadCaptureCalled=!1,t.params=this.params||{},t.metrics=this.metrics||{},e.addEventListener("load",(function(r){_(t,e)}),(0,N.m$)(!1)),u.IF||e.addEventListener("progress",(function(e){t.lastSize=e.loaded}),(0,N.m$)(!1))}function s(e){this.params={method:e[0]},T(this,e[1]),this.metrics={}}function c(t,r){var i=(0,n.DL)(e);i.xpid&&this.sameOrigin&&r.setRequestHeader("X-NewRelic-ID",i.xpid);var a=o.generateTracePayload(this.parsedOrigin);if(a){var s=!1;a.newrelicHeader&&(r.setRequestHeader("newrelic",a.newrelicHeader),s=!0),a.traceContextParentHeader&&(r.setRequestHeader("traceparent",a.traceContextParentHeader),a.traceContextStateHeader&&r.setRequestHeader("tracestate",a.traceContextStateHeader),s=!0),s&&(this.dt=a)}}function d(e,r){var n=this.metrics,i=e[0],o=this;if(n&&i){var a=F(i);a&&(n.txSize=a)}this.startTime=(0,m.z)(),this.listener=function(e){try{"abort"!==e.type||o.loadCaptureCalled||o.params.aborted=!0,("load"!==e.type||o.called===o.totalCbs&&o.onloadCalled||"function"!==typeof r.onload)&&"function"==typeof o.end}&&o.end(r)}catch(e){try{t.emit("internal-error",[e])}catch(e){}}};for(var s=0;s<X;s++)r.addEventListener(V[s],this.listener,(0,N.m$)(!1))}function l(e,t,r){this.cbTime+=e,t?this.onloadCalled=!0:this.called+=1,this.called!==this.totalCbs||!this.onloadCalled&&"function"==typeof r.onload||"function"!==typeof this.end||this.end(r)}function f(e,t){var r=""+"B(e)+!";t;this.xhrGuids&&!this.xhrGuids[r]&&(this.xhrGuids[r]=!0,this.totalCbs+=1)}function h(e,t){var r=""+"B(e)+!";t;this.xhrGuids&&this.xhrGuids[r]&&(delete thi

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s.xhrGuids[r],this.totalCbs-=1)}function g(){this.endTime=(0,m.z)()}function p(e,
r){r instanceof Y&&"load"===e[0]&&t.emit("xhr-load-added",[e[1],e[2]],r)}function
v(e,r){r instanceof Y&&"load"===e[0]&&t.emit("xhr-load-removed",[e[1],e[2]],r)}fun
ction b(e,t,r){t instanceof Y&&("onload"===r&&(this.onload=!0),("load"===(e[0]&&e
[0].type)||this.onload)&&(this.xhrCbStart=(0,m.z)()))}function y(e,r){this.xhrCbSt
art&&t.emit("xhr-cb-time",[(0,m.z)-this.xhrCbStart,this.onload,r],r)}function w
(e){var t,r=e[1]||{};"string"===typeof e[0]?t=e[0]:e[0]&&e[0].url?t=e[0].url:u._A?.
URL&&e[0]&&e[0]instanceof URL&&(t=e[0].href),t&&(this.parsedOrigin=(0,q.e)(t),thi
s.sameOrigin=this.parsedOrigin.sameOrigin);var n=o.generateTracePayload(this.parse
dOrigin);if(n&&(n.newrelicHeader||n.traceContextParentHeader))if("string"===typeof
e[0]||u._A?.URL&&e[0]&&e[0]instanceof URL){var i={};for(var a in r)i[a]=r[a];i.hea
ders=new Headers(r.headers||{}),s(i.headers,n)&&(this.dt=n),e.length>1?e[1]=i.e.pu
sh(i)}else e[0]&&e[0].headers&&s(e[0].headers,n)&&(this.dt=n);function s(e,t){var
r=!1;return t.newrelicHeader&&(e.set("newrelic",t.newrelicHeader),r=!0),t.traceCon
textParentHeader&&(e.set("traceparent",t.traceContextParentHeader),t.traceContextS
tateHeader&&e.set("tracestate",t.traceContextStateHeader),r=!0),r}}function x(e,t)
{this.params={},this.metrics={},this.startTime=(0,m.z)(),this.dt=t,e.length>=1&&(t
his.target=e[0]),e.length>=2&&(this.opts=e[1]);var r,n=this.opts||{};i=this.targe
t;"string"===typeof i?r=i:"object"===typeof i&&i instanceof W?r=i.url:u._A?.URL&&"ob
ject"===typeof i&&i instanceof URL&&(r=i.href),T(this,r);var o=(""+(i&&i instanceof
W&&i.method||n.method||"GET")).toUpperCase();this.params.method=o,this.txSize=F(n.
body)||0}function A(e,t){var n;this.endTime=(0,m.z)(),this.params||(this.params=
{}),this.params.status=t?t.status:0,"string"===typeof this.rxSize&&this.rxSize.leng
th>0&&(n+=this.rxSize);var o={txSize:this.txSize,rxSize:n,duration:(0,m.z)-this.
startTime};i("xhr",[this.params,o,this.startTime,this.endTime,"fetch"],this,r.D.ajax)}function E(e){var t=this.params,n=this.metrics;if(!this.ended){this.ended=!0;f
or(var o=0;o<X;o++)e.removeEventListener(V[o],this.listener,!1);t.aborted||(n.dura
tion=(0,m.z)-this.startTime,this.loadCaptureCalled||4!==e.readyState?null==t.sta
tus&&(t.status=0):_(this,e),n.cbTime=this.cbTime,i("xhr",[t,n,this.startTime,this.
endTime,"xhr"],this,r.D.ajax))}function T(e,t){var r=(0,q.e)(t),n=e.params;n.host
name=r.hostname,n.port=r.port,n.protocol=r.protocol,n.host=r.hostname+": "+r.port,
n.pathname=r.pathname,e.parsedOrigin=r,e.sameOrigin=r.sameOrigin}function _(e,t)
{e.params.status=t.status;var r=function(e,t){var r=e.responseType;return"json"===
r&&null!==t?t:"arraybuffer"===r||"blob"===r||"json"===r?F(e.response):"text"===r|
|"===r||void 0===r?F(e.responseText):void 0}(t,e.lastSize);if(r&&(e.metrics.rxSiz
e=r),e.sameOrigin){var n=t.getResponseHeader("X-NewRelic-App-Data");n&&(e.params.c
at=n.split(", ").pop())}e.loadCaptureCalled=!0}t.on("new-xhr",a),t.on("open-xhr-st
art",s),t.on("open-xhr-end",c),t.on("send-xhr-start",d),t.on("xhr-cb-time",l),t.on
("xhr-load-added",f),t.on("xhr-load-removed",h),t.on("xhr-resolved",g),t.on("addEv
entListener-end",p),t.on("removeEventListener-end",v),t.on("fn-end",y),t.on("fetch
-before-start",w),t.on("fetch-start",x),t.on("fn-start",b),t.on("fetch-done",A)}
(e,this.ee,this.handler,this.dt),this.importAggregator())}var K=i(3614);const{BST
_RESOURCE:J,RESOURCE:ee,START:te,END:re,FEATURE_NAME:ne,FN_END:ie,FN_START:oe,PUSH
_STATE:ae}=K;var se=i(7836);const{FEATURE_NAME:ce,START:de,END:ue,BODY:le,CB_END:f
e,JS_TIME:he,FETCH:ge,FN_START:pe,CB_START:me,FN_END:ve}=se;var be=i(4649);class y
e extends g{static featureName=be.t;constructor(e,t){let r=(arguments.length>2&&v
oid 0!==arguments[2])||arguments[2];super(e,t,be.t,r),this.importAggregator()}new
class extends t{constructor(t){let r=arguments.length>1&&void 0!==arguments[1]?arg
uments[1]:(0,j.ky)(16);super(),u._A?(this.agentIdentifier=r,this.sharedAggregator=
new w({agentIdentifier:this.agentIdentifier}),this.features={},this.desiredFeature
s=new Set(t.features||[]),this.desiredFeatures.add(v),Object.assign(this,(0,c.j)(t
his.agentIdentifier,t,t.loaderType||"agent")),this.start():{(0,e.Z)("Failed to ini
tial the agent. Could not determine the runtime environment.')}}get config(){return
{info:(0,n.C5)(this.agentIdentifier),init:(0,n.P_)(this.agentIdentifier),loader_co
nfig:(0,n.DL)(this.agentIdentifier),runtime:(0,n.OP)(this.agentIdentifier)}}start
(){const t="features";try{const n=s(this.agentIdentifier),i=[...this.desiredFeatur

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es];i.sort((e,t)=>r.p[e.featureName]-r.p[t.featureName]));i.forEach((t=>{if(n[t.f
eatureName]||t.featureName===r.D.pageViewEvent){const i=function(e){switch(e){case
r.D.ajax:return[r.D.jserrors];case r.D.sessionTrace:return[r.D.ajax,r.D.pageViewEv
ent];case r.D.sessionReplay:return[r.D.sessionTrace];case r.D.pageViewTiming:retur
n[r.D.pageViewEvent];default:return[]}}(t.featureName);i.every((e=>n[e]))||(0,e.Z)
("".concat(t.featureName," is enabled but one or more dependent features has been
disabled (").concat((0,D.P)(i),"). This may cause unintended consequences or missi
ng data...")),this.features[t.featureName]=new t(this.agentIdentifier,this.sharedA
ggregator)})),(0,_Qy)(this.agentIdentifier,this.features,t)}catch(r){(0,e.Z)("Fa
iled to initialize all enabled instrument classes (agent aborted) -",r);for(const
e in this.features)this.features[e].abortHandler?();const n=(0,_fP)();return del
ete n.initializedAgents[this.agentIdentifier]?.api,delete n.initializedAgents[thi
s.agentIdentifier]?.[t],delete this.sharedAggregator,n.?.abort(),delete n.?.ge
t(this.agentIdentifier,!1)}addToTrace(t){(0,e.Z)("Call to agent api addToTrace fa
iled. The page action feature is not currently initialized.")}setCurrentRouteName
(t){(0,e.Z)("Call to agent api setCurrentRouteName failed. The spa feature is not
currently initialized.")}interaction(){(0,e.Z)("Call to agent api interaction fail
ed. The spa feature is not currently initialized.")}({features:[Q,v,O,class exten
ds g{static featureName=ne;constructor(e,t){if(super(e,t,ne,!arguments.length>2&&
void 0!==arguments[2])||arguments[2]),!u.il)return;const n=this.?.;let i;(0,U.QU)
(n),this.eventsEE=(0,U.em)(n),this.eventsEE.on(oe,(function(e,t){this.bstStart=(0,
m.z)()})),this.eventsEE.on(ie,(function(e,t){(0,d.p)("bst",[e[0],t,this.bstStart,
(0,m.z)()],void 0,r.D.sessionTrace,n)})),n.on(ae+te,(function(e){this.time=(0,m.z)
()),this.startPath=location.pathname+location.hash})),n.on(ae+re,(function(e){(0,d.
p)("bstHist",[location.pathname+location.hash,this.startPath,this.time],void 0,r.
D.sessionTrace,n)}));try{i=new PerformanceObserver((e=>{const t=e.getEntries();(0,
d.p)(J,[t],void 0,r.D.sessionTrace,n)})),i.observe({type:ee,buffered:!0})}catch(e)
{this.importAggregator({resourceObserver:i})}},R,ye,H,class extends g{static feat
ureName=ce;constructor(e,t){if(super(e,t,ce,!arguments.length>2&&void 0!==argumen
ts[2])||arguments[2]),!u.il)return;if(!((0,n.OP)(e).xhrWrappable)return;try{this.re
moveOnAbort=new AbortController}catch(e){}let r,i=0;const o=this.?.get("tracer"),
a=(0,U._L)(this.?),s=(0,U.Lg)(this.?),c=(0,U.BV)(this.?),d=(0,U.Kf)(this.?),l=
this.?.get("events"),f=(0,U.u5)(this.?),h=(0,U.QU)(this.?),g=(0,U.Gm)(this.?);
function p(e,t){h.emit("newURL",[""+window.location,t])}function v(){i++,r=window.
location.hash,this[pe]=(0,m.z)()}function b(){i--,window.location.hash!==r&&p(0,!
0);var e=(0,m.z)();this[he]=~~this[he]+e-this[pe],this[ve]=e}function y(e,t){e.on
(t,(function(){this[t]=(0,m.z)()}))}this.?.on(pe,v),s.on(me,v),a.on(me,v),this.e
e.on(ve,b),s.on(fe,b),a.on(fe,b),this.?.buffer([pe,ve,"xhr-resolved"],this.featur
eName),l.buffer([pe],this.featureName),c.buffer(["setTimeout"+ue,"clearTimeout"+d
e,pe],this.featureName),d.buffer([pe,"new-xhr","send-xhr"+de],this.featureName),f.
buffer([ge+de,ge+"-done",ge+le+de,ge+le+ue],this.featureName),h.buffer(["newURL"],
this.featureName),g.buffer([pe],this.featureName),s.buffer(["propagate",me,fe,"exe
cutor-err","resolve"+de],this.featureName),o.buffer([pe,"no-"+pe],this.featureNam
e),a.buffer(["new-jsonp","cb-start","jsonp-error","jsonp-end"],this.featureName),y
(f,ge+de),y(f,ge+"-done"),y(a,"new-jsonp"),y(a,"jsonp-end"),y(a,"cb-start"),h.on
("pushState-end",p),h.on("replaceState-end",p),window.addEventListener("hashchang
e",p,(0,N.m$)(!0,this.removeOnAbort?.signal)),window.addEventListener("load",p,(0,
N.m$)(!0,this.removeOnAbort?.signal)),window.addEventListener("popstate",(function
(){p(0,i>1)}),(0,N.m$)(!0,this.removeOnAbort?.signal)),this.abortHandler=this.#i,t
his.importAggregator()#i(){this.removeOnAbort?.abort(),this.abortHandler=void
0}},loaderType:"spa"}))(),window.NRBA=o)}();</script>\n\t<meta name="viewport" c
ontent="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=1">\n
\t<meta name="pocket-site-verification" content="" />\n\t<script>\n
window.
_uxa = window._uxa || [];\n
window._uxa.push(['setPIISelectors\'], {\n
// DOM elements to be asked\n
Attributes: [\n
selector: "input#enq-email,input#enq-first-name,input#enq-last-name,input#enq-comp

```

[illegible]



file:///C:/Users/Sunil Deshmukh/OneDrive/Desktop/Data analysis course/Python for Data Science, AI & Development/Week 5/Wk5.3 labs module ... 17/226

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-vivid-red: #cf2e2e;--wp--preset--color--luminous-vivid-orange: #ff6900;--wp--pres
et--color--luminous-vivid-amber: #fcb900;--wp--preset--color--light-green-cyan: #7
bdc5;--wp--preset--color--vivid-green-cyan: #00d084;--wp--preset--color--pale-cya
n-blue: #8ed1fc;--wp--preset--color--vivid-cyan-blue: #0693e3;--wp--preset--color-
-vivid-purple: #9b51e0;--wp--preset--color--thb-accent: #f74a2e;--wp--preset--grad
ient--vivid-cyan-blue-to-vivid-purple: linear-gradient(135deg,rgba(6,147,227,1)
0%,rgb(155,81,224) 100%);--wp--preset--gradient--light-green-cyan-to-vivid-green-c
yan: linear-gradient(135deg,rgb(122,220,180) 0%,rgb(0,208,130) 100%);--wp--preset-
-gradient--luminous-vivid-amber-to-luminous-vivid-orange: linear-gradient(135deg,r
gba(252,185,0,1) 0%,rgba(255,105,0,1) 100%);--wp--preset--gradient--luminous-vivid-
orange-to-vivid-red: linear-gradient(135deg,rgba(255,105,0,1) 0%,rgb(207,46,46) 1
00%);--wp--preset--gradient--very-light-gray-to-cyan-bluish-gray: linear-gradient
(135deg,rgb(238,238,238) 0%,rgb(169,184,195) 100%);--wp--preset--gradient--cool-to-
warm-spectrum: linear-gradient(135deg,rgb(74,234,220) 0%,rgb(151,120,209) 20%,rgb
(207,42,186) 40%,rgb(238,44,130) 60%,rgb(251,105,98) 80%,rgb(254,248,76) 100%);--w
p--preset--gradient--blush-light-purple: linear-gradient(135deg,rgb(255,206,236)
0%,rgb(152,150,240) 100%);--wp--preset--gradient--blush-bordeaux: linear-gradient
(135deg,rgb(254,205,165) 0%,rgb(254,45,45) 50%,rgb(107,0,62) 100%);--wp--preset--gr
t--luminous-dusk: linear-gradient(135deg,rgb(255,203,112) 0%,rgb(199,81,192) 50%,r
gb(65,88,208) 100%);--wp--preset--gradient--pale-ocean: linear-gradient(135deg,rgb
(255,245,203) 0%,rgb(182,227,212) 50%,rgb(51,167,181) 100%);--wp--preset--gradient
--electric-grass: linear-gradient(135deg,rgb(202,248,128) 0%,rgb(113,206,126) 10
0%);--wp--preset--gradient--midnight: linear-gradient(135deg,rgb(2,3,129) 0%,rgb(4
0,116,252) 100%);--wp--preset--duotone--dark-grayscale: url('#wp-duotone-dark-gra
yscale');--wp--preset--duotone--grayscale: url('#wp-duotone-grayscale');--wp--p
reset--duotone--purple-yellow: url('#wp-duotone-purple-yellow');--wp--preset--du
otone--blue-red: url('#wp-duotone-blue-red');--wp--preset--duotone--midnight: ur
l('#wp-duotone-midnight');--wp--preset--duotone--magenta-yellow: url('#wp-duoto
ne-magenta-yellow');--wp--preset--duotone--purple-green: url('#wp-duotone-purple-
green');--wp--preset--duotone--blue-orange: url('#wp-duotone-blue-orange');--w
p--preset--font-size--small: 13px;--wp--preset--font-size--medium: 20px;--wp--pres
et--font-size--large: 36px;--wp--preset--font-size--x-large: 42px;--wp--preset--sp
acing--20: 0.44rem;--wp--preset--spacing--30: 0.67rem;--wp--preset--spacing--40: 1
rem;--wp--preset--spacing--50: 1.5rem;--wp--preset--spacing--60: 2.25rem;--wp--pre
set--spacing--70: 3.38rem;--wp--preset--spacing--80: 5.06rem;--wp--preset--shadow-
natural: 6px 6px 9px rgba(0, 0, 0, 0.2);--wp--preset--shadow--deep: 12px 12px 50p
x rgba(0, 0, 0, 0.4);--wp--preset--shadow--sharp: 6px 6px 0px rgba(0, 0, 0, 0.2);-
wp--preset--shadow--outlined: 6px 6px 0px -3px rgba(255, 255, 255, 1), 6px 6px rg
ba(0, 0, 0, 1);--wp--preset--shadow--crisp: 6px 6px 0px rgba(0, 0, 0, 1);}:where(.
is-layout-flex){gap: 0.5em;}body .is-layout-flow > .alignleft{float: left;margin-i
nline-start: 0;margin-inline-end: 2em;}body .is-layout-flow > .alignright{float: r
ight;margin-inline-start: 2em;margin-inline-end: 0;}body .is-layout-flow > .alignc
enter{margin-left: auto !important;margin-right: auto !important;}body .is-layout-
constrained > .alignleft{float: left;margin-inline-start: 0;margin-inline-end: 2e
m;}body .is-layout-constrained > .alignright{float: right;margin-inline-start: 2e
m;margin-inline-end: 0;}body .is-layout-constrained > .aligncenter{margin-left: au
to !important;margin-right: auto !important;}body .is-layout-constrained > :where
(:not(.alignleft):not(.alignright):not(.alignfull)){max-width: var(--wp--style--gl
obal--content-size);margin-left: auto !important;margin-right: auto !important;}bo
dy .is-layout-constrained > .alignwide{max-width: var(--wp--style--global--wide-si
ze);}body .is-layout-flex{display: flex;}body .is-layout-flex{flex-wrap: wrap;alig
n-items: center;}body .is-layout-flex > *{margin: 0;}:where(.wp-block-columns.is-l
ayout-flex){gap: 2em;}.has-black-color{color: var(--wp--preset--color--black) !imp
ortant;}.has-cyan-bluish-gray-color{color: var(--wp--preset--color--cyan-bluish-gr
ay) !important;}.has-white-color{color: var(--wp--preset--color--white) !importan
t;}.has-pale-pink-color{color: var(--wp--preset--color--pale-pink) !important;}.ha

```

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s-vivid-red-color{color: var(--wp--preset--color--vivid-red) !important;}.has-lumi
nous-vivid-orange-color{color: var(--wp--preset--color--luminous-vivid-orange) !im
portant;}.has-luminous-vivid-amber-color{color: var(--wp--preset--color--luminous-
vivid-amber) !important;}.has-light-green-cyan-color{color: var(--wp--preset--colo
r--light-green-cyan) !important;}.has-vivid-green-cyan-color{color: var(--wp--pres
et--color--vivid-green-cyan) !important;}.has-pale-cyan-blue-color{color: var(--wp
--preset--color--pale-cyan-blue) !important;}.has-vivid-cyan-blue-color{color: var
(--wp--preset--color--vivid-cyan-blue) !important;}.has-vivid-purple-color{color:
var(--wp--preset--color--vivid-purple) !important;}.has-black-background-color{bac
kground-color: var(--wp--preset--color--black) !important;}.has-cyan-bluish-gray-b
ackground-color{background-color: var(--wp--preset--color--cyan-bluish-gray) !impo
rtant;}.has-white-background-color{background-color: var(--wp--preset--color--whit
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ar(--wp--preset--color--vivid-red) !important;}.has-luminous-vivid-orange-backgrou
nd-color{background-color: var(--wp--preset--color--luminous-vivid-orange) !import
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--color--luminous-vivid-amber) !important;}.has-light-green-cyan-background-color
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id-green-cyan-background-color{background-color: var(--wp--preset--color--vivid-gr
een-cyan) !important;}.has-pale-cyan-blue-background-color{background-color: var(-
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lor{background-color: var(--wp--preset--color--vivid-cyan-blue) !important;}.has-v
ivid-purple-background-color{background-color: var(--wp--preset--color--vivid-purp
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ck) !important;}.has-cyan-bluish-gray-border-color{border-color: var(--wp--preset-
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nt;}.has-luminous-vivid-amber-border-color{border-color: var(--wp--preset--color--
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vid-purple) !important;}.has-light-green-cyan-to-vivid-green-cyan-gradient-backgro
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ange) !important;}.has-luminous-vivid-orange-to-vivid-red-gradient-background{back
ground: var(--wp--preset--gradient--luminous-vivid-orange-to-vivid-red) !importan
t;}.has-very-light-gray-to-cyan-bluish-gray-gradient-background{background: var(--
wp--preset--gradient--very-light-gray-to-cyan-bluish-gray) !important;}.has-cool-t
o-warm-spectrum-gradient-background{background: var(--wp--preset--gradient--cool-t
o-warm-spectrum) !important;}.has-blush-light-purple-gradient-background{backgroun
d: var(--wp--preset--gradient--blush-light-purple) !important;}.has-blush-bordeaux
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nt--luminous-dusk) !important;}.has-pale-ocean-gradient-background{background: var
(--wp--preset--gradient--pale-ocean) !important;}.has-electric-grass-gradient-back
ground{background: var(--wp--preset--gradient--electric-grass) !important;}.has-mi

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e-top-five-fmcg-companies-leading-the-way-on-circularity\\\/","headline":"Are the
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kaging-gateway.com\\\/features\\\/are-the-top-five-fmcg-companies-leading-the-way-on
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ustainability,The Coca-Cola Co."}</script><!-- END Parse.ly --><!-- meta proper
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16/2022/11/shutterstock_2085125839.jpg" /> <meta name="onesignal" content="wo
rdpress-plugin"/><script><!-- window.OneSignal = window.OneSign
al || [];<br><br> OneSignal.push( function() {<br> OneSignal.SERVICE_WORKER_
UPDATER_PATH = \'OneSignalSDKUpdaterWorker.js\';<br> OneSignal.
SERVICE_WORKER_PATH = \'OneSignalSDKWorker.js\';<br> OneSignal.
SERVICE_WORKER_PARAM = { scope: \'/wp-content/plugins/onesignal-free-web-push-noti
fications/sdk_files/push/onesignal/\'};<br> OneSignal.setDefaultNotification
Url("https://www.packaging-gateway.com");<br> var oneSignal_options = {};<br>
window._oneSignalInitOptions = oneSignal_options;<br><br> oneSignal_options[\'w
ordpress\'] = true;<br><br> oneSignal_options[\'appId\'] = \'\';<br><br> oneSignal_options[\'all
owLocalhostAsSecureOrigin\'] = true;<br><br> oneSignal_options[\'welcomeNotification\'] =
{ };<br><br> oneSignal_options[\'welcomeNotification\'][\'title\'] = "";<br><br> oneSignal_optio
ns[\'welcomeNotification\'][\'message\'] = "";<br><br> oneSignal_options[\'path\'] = "htt
ps://www.packaging-gateway.com/wp-content/plugins/onesignal-free-web-push-notifica
tions/sdk_files/";<br><br> oneSignal_options[\'promptOptions\'] = { };<br><br> oneSignal_options
[\'notifyButton\'] = { };<br><br> oneSignal_options[\'notifyButton\'][\'enable\'] = tru
e;<br><br> oneSignal_options[\'notifyButton\'][\'position\'] = \'bottom-right\';<br><br> oneSign
al_options[\'notifyButton\'][\'theme\'] = \'default\';<br><br> oneSignal_options[\'notify
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t\'] = true;<br><br> oneSignal_options[\'notifyButton\'][\'text\'] = {};<br><br>
OneSignal.init(window._oneSignalInitOptions);<br><br> }<br><br>
function documentInitOneSignal() {<br> var oneSignal_elements = document.getE
lementsByClassName("OneSignal-prompt");<br><br> var oneSignalLinkClickHandler =
function(event) { OneSignal.push([\'registerForPushNotifications\']); event.preven
tDefault();<br><br> for(var i = 0; i < oneSignal_elements.length; i++)<br>
oneSignal_elements[i].addEventListener(\'click\', oneSignalLinkClickHandler, fals
e);<br><br> }<br><br> if (document.readyState === \'complete\') {<br> docu
mentInitOneSignal();<br> }<br> else {<br> window.addEventListener("l
oad", function(event){<br> documentInitOneSignal();<br> });<br>
}<br></script><!--<br><br><link rel="icon" href="https://www.packaging-gateway.com/wp-cont
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s,o,g,r,a,m){i[\'GoogleAnalyticsObject\']=r;i[r]=i[r]||function(){(i[r].q=

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file:///C:/Users/Sunil Deshmukh/OneDrive/Desktop/Data analysis course/Python for Data Science, AI & Development/Week 5/Wk5.3 labs module ... 23/226

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s/">Glass</a></li></ul></li><li id="menu-item-76387" class="menu-item menu-item-76387"><a title="Design & Concepts" href="https://www.packaging-gateway.com/sector/packaging-services/design/" class="c-nav-hamburger-menu__link">Design & Concepts</a><ul role="menu" class=" dropdown-menu"></ul></li></ul></li><li id="menu-item-76392" class="menu-item menu-item-has-children dropdown menu-item-76392"><a title="Themes" href="https://www.packaging-gateway.com/sector/theme/" data-toggle="dropdown" class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-children">Themes</a><input type="checkbox" value="analysis" name="analysis"><ul role="menu" class=" dropdown-menu"><li id="menu-item-76393" class="menu-item menu-item-76393"><a title="Artificial Intelligence" href="https://www.packaging-gateway.com/sector/theme/technology/artificial-intelligence/" class="c-nav-hamburger-menu__link">Artificial Intelligence</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76394" class="menu-item menu-item-76394"><a title="Corporate Governance" href="https://www.packaging-gateway.com/sector/theme/macro/esg/governance/" class="c-nav-hamburger-menu__link">Corporate Governance</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76395" class="menu-item menu-item-76395"><a title="Cloud" href="https://www.packaging-gateway.com/sector/theme/technology/cloud/" class="c-nav-hamburger-menu__link">Cloud</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76396" class="menu-item menu-item-76396"><a title="Cybersecurity" href="https://www.packaging-gateway.com/sector/theme/technology/cybersecurity/" class="c-nav-hamburger-menu__link">Cybersecurity</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76397" class="menu-item menu-item-76397"><a title="Environmental Sustainability" href="https://www.packaging-gateway.com/sector/theme/macro/esg/environment/" class="c-nav-hamburger-menu__link">Environmental Sustainability</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76398" class="menu-item menu-item-76398"><a title="Internet of Things" href="https://www.packaging-gateway.com/sector/theme/technology/internet-of-things/" class="c-nav-hamburger-menu__link">Internet of Things</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76399" class="menu-item menu-item-76399"><a title="Robotics" href="https://www.packaging-gateway.com/sector/theme/technology/robotics/" class="c-nav-hamburger-menu__link">Robotics</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76400" class="menu-item menu-item-76400"><a title="Social Responsibility" href="https://www.packaging-gateway.com/sector/theme/macro/esg/social/" class="c-nav-hamburger-menu__link">Social Responsibility</a><ul role="menu" class=" dropdown-menu"></ul></li></ul></li><li id="menu-item-76410" class="menu-item menu-item-has-children dropdown menu-item-76410"><a title="Insights" href="https://www.packaging-gateway.com/insights/" data-toggle="dropdown" class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-children">Insights</a><input type="checkbox" value="analysis" name="analysis"><ul role="menu" class=" dropdown-menu"><li id="menu-item-76411" class="menu-item menu-item-76411"><a title="Deals" href="https://www.packaging-gateway.com/deals-dashboards/" class="c-nav-hamburger-menu__link">Deals</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76412" class="menu-item menu-item-76412"><a title="Jobs" href="https://www.packaging-gateway.com/jobs/" class="c-nav-hamburger-menu__link">Jobs</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76413" class="menu-item menu-item-76413"><a title="Filings" href="https://www.packaging-gateway.com/filings/" class="c-nav-hamburger-menu__link">Filings</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76414" class="menu-item menu-item-76414"><a title="Patents" href="https://www.packaging-gateway.com/patents/" class="c-nav-hamburger-menu__link">Patents</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76415" class="menu-item menu-item-76415"><a title="Social Media" href="https://www.packaging-gateway.com/influencers-dashboards/" class="c-nav-hamburger-menu__link">Social Media</a><ul role="menu" class=" dropdown-menu"></ul></li></ul></li><li id="menu-item-76388" class="menu-item menu-item-has-children dropdown menu-item-76388"><a title="Companies" href="#" data-toggle="dropdown" class="c-nav-hamburger-menu__link c-nav-ham

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burger-menu__link--has-children">Companies</a><input type="checkbox" value="analysis" name="analysis"><ul role="menu" class=" dropdown-menu"><li id="menu-item-76389" class="menu-item menu-item-76389"><a title="Company A-Z" href="https://www.packaging-gateway.com/company-a-z/" class="c-nav-hamburger-menu__link">Company A-Z</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76405" class="menu-item menu-item-76405"><a title="Company Categories" href="https://www.packaging-gateway.com/contractors/" class="c-nav-hamburger-menu__link">Company Categories</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76459" class="menu-item menu-item-76459"><a title="Products & Services" href="https://www.packaging-gateway.com/products/" class="c-nav-hamburger-menu__link">Products & Services</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76461" class="menu-item menu-item-76461"><a title="Company Releases" href="https://www.packaging-gateway.com/pressreleases/" class="c-nav-hamburger-menu__link">Company Releases</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76464" class="menu-item menu-item-76464"><a title="White Papers" href="https://www.packaging-gateway.com/whitepapers/" class="c-nav-hamburger-menu__link">White Papers</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76465" class="menu-item menu-item-76465"><a title="Videos" href="https://www.packaging-gateway.com/videos/" class="c-nav-hamburger-menu__link">Videos</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76416" class="menu-item menu-item-76416"><a title="Buyer's Guides" href="https://www.packaging-gateway.com/buyers-guide/" class="c-nav-hamburger-menu__link">Buyer's Guides</a><ul role="menu" class=" dropdown-menu"></ul></li><li id="menu-item-76406" class="menu-item menu-item-76406"><a title="Partner Content" href="https://www.packaging-gateway.com/sponsored/" class="c-nav-hamburger-menu__link">Partner Content</a><ul role="menu" class=" dropdown-menu"></ul></li></ul></li><li id="menu-item-76466" class="menu-item menu-item-76466"><a title="Events" href="https://www.packaging-gateway.com/events/" class="c-nav-hamburger-menu__link">Events</a></li><li id="menu-item-76407" class="menu-item menu-item-76407"><a title="Reports" href="https://www.packaging-gateway.com/reports/" class="c-nav-hamburger-menu__link">Reports</a></li><li id="menu-item-76390" class="premium-insights-menu-link menu-item menu-item-76390"><a title="Premium Insights" href="https://www.packaging-gateway.com/data-insights/" class="c-nav-hamburger-menu__link">Premium Insights</a></li><li id="menu-item-76409" class="menu-item menu-item-76409"><a title="Excellence Awards" href="https://www.packaging-gateway.com/awards-rankings/" class="c-nav-hamburger-menu__link">Excellence Awards</a></li><li id="menu-item-76403" class="menu-item menu-item-76403"><a title="Magazine" href="https://www.packaging-gateway.com/about-inside-packaging-magazine/" class="c-nav-hamburger-menu__link">Magazine</a></li></ul></div><h2>GlobalData</h2><div class="menu-globaldata-container"><ul id="menu-globaldata" class="menu"><li id="menu-item-76312" class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76312"><a title="About Us" href="https://www.packaging-gateway.com/about-us-online/" class="c-nav-hamburger-menu__link">About Us</a></li><li id="menu-item-76315" class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76315"><a title="Advertise With Us" href="https://www.packaging-gateway.com/advertise-with-us/" class="c-nav-hamburger-menu__link">Advertise With Us</a></li><li id="menu-item-76309" class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76309"><a title="Contact Us" href="https://www.packaging-gateway.com/contact-us/" class="c-nav-hamburger-menu__link">Contact Us</a></li><li id="menu-item-76314" class="menu-item menu-item-type-custom menu-item-object-custom menu-item-76314"><a title="Our Marketing Solutions" href="https://www.verdictmediastategies.com/" class="c-nav-hamburger-menu__link">Our Marketing Solutions</a></li><li id="menu-item-76313" class="ext-link menu-item menu-item-type-custom menu-item-object-custom menu-item-76313"><a title="GlobalData Reports" target="_blank" href="https://www.globaldata.com/store/" class="c-nav-hamburger-menu__link">GlobalData Reports</a></li></ul></div></li></ul></div>

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ga"><section class="nav-block subcats"><h2>Sections</h2><ul role="menu" class=" dropdown-menu"><li id="menu-item-76353" class="menu-item menu-item-76353"><a title="Artificial Intelligence" href="https://www.packaging-gateway.com/sector/theme/technology/artificial-intelligence/" class=""><span>Artificial Intelligence</span></a></li><li id="menu-item-76354" class="menu-item menu-item-76354"><a title="Cloud" href="https://www.packaging-gateway.com/sector/theme/technology/cloud/" class=""><span>Cloud</span></a></li><li id="menu-item-76355" class="menu-item menu-item-76355"><a title="Corporate Governance" href="https://www.packaging-gateway.com/sector/theme/macro/esg/governance/" class=""><span>Corporate Governance</span></a></li><li id="menu-item-76356" class="menu-item menu-item-76356"><a title="Cybersecurity" href="https://www.packaging-gateway.com/sector/theme/technology/cybersecurity/" class=""><span>Cybersecurity</span></a></li><li id="menu-item-76357" class="menu-item menu-item-76357"><a title="Environmental Sustainability" href="https://www.packaging-gateway.com/sector/theme/macro/esg/environment/" class=""><span>Environmental Sustainability</span></a></li><li id="menu-item-76358" class="menu-item menu-item-76358"><a title="Internet of Things" href="https://www.packaging-gateway.com/sector/theme/technology/internet-of-things/" class=""><span>Internet of Things</span></a></li><li id="menu-item-76359" class="menu-item menu-item-76359"><a title="Robotics" href="https://www.packaging-gateway.com/sector/theme/technology/robotics/" class=""><span>Robotics</span></a></li><li id="menu-item-76360" class="menu-item menu-item-76360"><a title="Social Responsibility" href="https://www.packaging-gateway.com/sector/theme/macro/esg/social/" class=""><span>Social Responsibility</span></a></li></ul></section><section class="nav-block most-read"><h2>Latest</h2><ul><li><a href="https://www.packaging-gateway.com/news/pepsico-india-rpet-bottles/">PepsiCo India to launch new 100% rPET Pepsi Black bottles</a></li><li><a href="https://www.packaging-gateway.com/news/arla-new-fibre-caps/">Arla and Blue Ocean Closures partner to create fibre-based caps</a></li><li><a href="https://www.packaging-gateway.com/news/tcl-improved-packaging-sustainability/">TCL pledges to make its packaging more sustainable</a></li></ul></section></div></li><li id="menu-item-76361" class="menu-item menu-item-has-children has-sub menu-item-76361"><a title="Insights" href="https://www.packaging-gateway.com/insights/"><span>Insights</span></a><div class="mega"><section class="nav-block subcats"><h2>Sections</h2><ul role="menu" class=" dropdown-menu"><li id="menu-item-76362" class="menu-item menu-item-76362"><a title="Deals" href="https://www.packaging-gateway.com/deals-dashboards/" class=""><span>Deals</span></a></li><li id="menu-item-76363" class="menu-item menu-item-76363"><a title="Jobs" href="https://www.packaging-gateway.com/jobs/" class=""><span>Jobs</span></a></li><li id="menu-item-76364" class="menu-item menu-item-76364"><a title="Filings" href="https://www.packaging-gateway.com/filings/" class=""><span>Filings</span></a></li><li id="menu-item-76365" class="menu-item menu-item-76365"><a title="Patents" href="https://www.packaging-gateway.com/patents/" class=""><span>Patents</span></a></li><li id="menu-item-76366" class="menu-item menu-item-76366"><a title="Social Media" href="https://www.packaging-gateway.com/influencers-dashboards/" class=""><span>Social Media</span></a></li></ul></section><section class="nav-block most-read"><h2>Latest</h2><ul><li><a href="https://www.packaging-gateway.com/news/ds-smith-fy22-23/">DS Smith witnesses 14% increase in revenues for FY22/23</a></li><li><a href="https://www.packaging-gateway.com/dashboards/filings/internet-of-things-mentions-packaging-industry/">Who's saying what? Internet of Things mentions in company filings of packaging industry increased by 13% in Q1 2023</a></li><li><a href="https://www.packaging-gateway.com/dashboards/deals-dashboards/global-ma-activity-paper-packaging-industry/">Who's acquiring who? M&A activity in the paper & packaging industry decreased by 7% in Q1 2023</a></li></ul></section></div></li><li id="menu-item-76349" class="menu-item menu-item-has-children has-sub menu-item-76349"><a title="Companies" href="#"><span>Companies</span></a><div class="mega"><section class="nav-block subcats"><h2>Sections</h2><ul role="menu" class=" dropdown-menu"><li id="menu-item-76350" class="menu-item menu-item-76350"><a title="Company A-Z" href="https://www.packaging-gateway.com/comp

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any-a-z/" class=""><span>Company A-Z</span></a></li><li id="menu-item-76351" class="menu-item menu-item-76351"><a title="Company Categories" href="https://www.packaging-gateway.com/contractors/" class=""><span>Company Categories</span></a></li><li id="menu-item-76458" class="menu-item menu-item-76458"><a title="Products & Services" href="https://www.packaging-gateway.com/products/" class=""><span>Products & Services</span></a></li><li id="menu-item-76460" class="menu-item menu-item-76460"><a title="Company Releases" href="https://www.packaging-gateway.com/pressreleases/" class=""><span>Company Releases</span></a></li><li id="menu-item-76462" class="menu-item menu-item-76462"><a title="White Papers" href="https://www.packaging-gateway.com/whitepapers/" class=""><span>White Papers</span></a></li><li id="menu-item-76463" class="menu-item menu-item-76463"><a title="Videos" href="https://www.packaging-gateway.com/videos/" class=""><span>Videos</span></a></li><li id="menu-item-76381" class="menu-item menu-item-76381"><a title="Buyer's Guides" href="https://www.packaging-gateway.com/buyers-guide/" class=""><span>Buyer's Guides</span></a></li><li id="menu-item-76352" class="menu-item menu-item-76352"><a title="Partner Content" href="https://www.packaging-gateway.com/sponsored/" class=""><span>Partner Content</span></a></li></ul></section><section class="nav-block most-read"><h2>Latest</h2><ul><li><a href="https://www.packaging-gateway.com/sponsored/how-ai-in-cpg-gets-products-to-market-faster/">How AI in CPG gets products to market faster</a></li><li><a href="https://www.packaging-gateway.com/sponsored/10-ways-to-accelerate-cpg-research-and-development-with-ai-powered-collaboration/">10 ways to accelerate CPG research and development with AI-powered collaboration</a></li><li><a href="https://www.packaging-gateway.com/sponsored/stourgarden-23-years-newtec-weighing-machines/">Stourgarden and Newtec: 23 Years with Newtec Weighing Machines</a></li></ul></section></div><li id="menu-item-76417" class="menu-item menu-item-76417"><a title="Events" href="https://www.packaging-gateway.com/events/"><span>Events</span></a></li><li id="menu-item-76379" class="menu-item menu-item-76379"><a title="Reports" href="https://www.packaging-gateway.com/reports/"><span>Reports</span></a></li><li id="menu-item-76346" class="premium-insights-menu-link menu-item menu-item-76346"><a title="Premium Insights" href="https://www.packaging-gateway.com/data-insights/"><span>Premium Insights</span></a></li></ul></div><div class="initials"><a href="https://www.packaging-gateway.com">PG</a></div></nav></div><div class="sub-nav-bar"><div class="sub-nav-inner"><div class="breadcrumb"><ul><li><a href="https://www.packaging-gateway.com/analysis/">Analysis</a></li></ul></div><div class="subcategories"><div class="arrow-left">Left</div><div class="arrow-right">Right</div><ul><li class="current"><a href="https://www.packaging-gateway.com/features/">Features</a></li><li><a href="https://www.packaging-gateway.com/comment/">Comment</a></li><li><a href="https://www.packaging-gateway.com/projects-a-z/">Projects</a></li></ul></div></div></div></div><div class="menu-bg"></div></div><div class="article-page"><div class="article-header"><div class="breadcrumbs-container"><ul class="breadcrumbs"><li class="breadcrumbs-item"><a href="https://www.packaging-gateway.com/features/" class="c-post-content__category">Features</a></li></ul><div class="date"><span class="date-published">November 29, 2022</span></div></div><div class="article-header__content"><h1 class="article-header__title">Are the top five FMCG companies leading the way on circularity?</h1><p class="article-header__excerpt">As governments, environmental institutes and business leaders all back the idea of a circular economy for packaging following COP27, Packaging G

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at how the world's leading FMCG companies are tackling circularity.</p>
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e the top five FMCG companies leading the way on circularity?

The document includes detailed information on the manufacturers and suppliers and their products, along with contact details, to inform your purchasing decision.

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\n\n\n\n<p>According to <a href="https://ec.europa.eu/eurostat">Eurostat</a>, the statistical office of the European Union, of all the plastic packaging waste produced in Europe, less than half is recycled and in 2020, plastics accounted for nearly 20% of all packaging waste.</p><div class="in-article-premium-insights mobile-useragent-scalar"><div class="article-grid article-grid-column cell large-2 sidebar-content sidebar-scalar mobile-only">\n <div class="width promoted-reports recommended-whitepapers"> <h3 class="border-bottom mb">Recommended Reports</h3><ul><li class="grid-x"><div class="cell small-2"><figure><a href=""></a></figure></div><div class="cell small-10 details"><div class="category"><a href="https://www.globaldata.com/store/report/" target="\_blank">R

  

eports</a></div><h4><a href=https://www.globaldata.com/store/report/packaging-industry-m-and-a-deals-by-theme-quarterly-analysis?scalar=true&pid=76591&sid=16 target="\_blank">Packaging Industry Mergers and Acquisitions Deals by Top Themes in Q1 2022 - Thematic Research </a></h4><div class="byline"><a href="https://www.globaldata.com/">GlobalData</a></div></div> </li></ul> <span class="view-all mobile-only"><a href=https://www.globaldata.com/store/industry/packaging-market/ target="\_blank" class="new-window">View all</a></span></div></div><div class="sidebar-content"><div class="related-company-profiles"><header><h3>Companies Intelligence</h3></header><div class="grid-x"><article class="cell large-12"><h4><a href=https://www.globaldata.com/store/?s=PepsiCo Inc&scalar=true&searchKeyName=companynam&pid=76591&sid=16 target="\_blank">PepsiCo Inc</a></h4></article><article class="cell large-12"><n4><a href=https://www.globaldata.com/store/report/?cdmsid=1720265&scalar=true&pid=76591&sid=16 target="\_blank">Anheuser-Busch InBev NV/SA</a></h4></article><article class="cell large-12"><h4><a href=https://www.globaldata.com/store/?s=Coca-Cola Europacific Partners Plc&scalar=true&searchKeyName=companynam&pid=76591&sid=16 target="\_blank">Coca-Cola Europacific Partners Plc</a></h4></article><article class="cell large-12"><h4><a href=https://www.globaldata.com/store/?s=AB InBev UK Ltd&scarlar=true&searchKeyName=companynam&pid=76591&sid=16 target="\_blank">AB InBev UK Ltd</a></h4></article><article class="cell large-12"><h4><a href=https://www.globaldata.com/store/?s=Coca-Cola GmbH&scalar=true&searchKeyName=companynam&pid=76591&sid=16 target="\_blank">Coca-Cola GmbH</a></h4></article><span class="view-all mobile-only"><a href="https://www.globaldata.com/companies/" target="\_blank" class="new-window">View all</a></span></div></div></div></div>\n\n\n\n<p>Worldwide there are examples of movements to promote circular economies. In India, the <a href="http s://www.packaging-gateway.com/news/wwf-india-plastic-pact/">Worldwide Fund for Nature India (WWF India) partnered with the Confederation of Indian Industry (CII)</a> in an effort to build a circular system for plastics. CEO of Deshwali Waste Management stated in India's news publication, <em>The Economic Times,</em> that a circular economy was key to preserving the country's environmental conditions and would result in a 44% reduction in greenhouse gas emissions.&nbsp;</p><div id="slot-one"></div>\n\n\n\n<p>In a bid to boost circularity within the UK, packaging manufacturer and consultancy <a href="https://www.packaging-gateway.com/news/how-duclo-recycling-is-pushing-circularity-forwards-in-the-uk/">Duo invested £3m to establish Duclo Recycling,</a> a new recycling business that specialises in the recovery and recycling of plastic packaging to prevent end-of-use material going to waste. The plant will enable Duclo Recycling to recycle around 7,000 tonnes of plastic by the end of 2022, with ambitions to double this in 2023.<br><br>Packaging waste is a global issue andthere is no doubt that FMCG companies have a large role to play in improving the planet for everyone's benefit, so Ryan Ellington has examined&nbsp;

the top five FMCG companies to find out what they are doing to create a more circular packaging economy for all.

## 1. The Coca-Cola Company

US multinational beverage corporation, [The Coca-Cola Company](https://www.coca-colacompany.com/) is firmly committed to building a sustainable future and with the launch of its '[World Without Waste](https://www.coca-colacompany.com/faqs/what-is-world-without-waste)' initiative back in 2018, the drinks company has an aim of recycling as many cans/bottles as it produces.

Just as recently as February 2022, The Coca-Cola Company announced a [new reusable packaging goal](https://www.packaging-gateway.com/news/coca-cola-packaging-reusable/). Its aim is to have at least 25% of its beverages worldwide by volume sold in refillable/returnable glass or plastic bottles or in fountain dispensers with reusable packaging. The company has also reduced the use of coloured rPET in its packaging, to make its bottles easier to recycle, such as turning its Sprite bottles from green to clear.

A spokesperson for Coca-Cola Europacific Partners (CEP), packaging partners of The Coca-Cola Company, told Packaging Gateway exclusively: "We are committed to reducing the impact of our packaging on the environment and supporting a low carbon, circular economy. To do this, we're reducing our use of packaging where we can and ensuring that the equivalent of all the packaging we do use is collected, reused or recycled so that it does not end up as waste or litter."

"The roll-out of bottles with attached caps is the latest packaging innovation we've brought to the market. The new packaging design makes us the first major soft drinks company, in partnership with The Coca-Cola Company, to make the switch. This makes it easier to recycle the entire package and ensure no cap gets left behind."

The spokesperson pointed out the aim is to implement these caps across all Coca-Cola brands and pack sizes by the end of 2024 and added: "Our 500ml bottles are now made from 100% recycled plastic, saving 29,000 tonnes of virgin plastic each year."

**The Coca-Cola Company's key circularity goals:**

- By 2030: Reduce absolute greenhouse gas emissions by 25%
- By 2030: Use at least 50% recycled material in its packaging.

## 2. AB InBev

[Anheuser-Busch InBev](https://www.globaldata.com/company-profile/anheuser-busch-inbev-nv-sa), better known as A-B InBev, is one of the world's largest beer brewers and places sustainability at the top of its agenda with a commitment to supporting the United Nations Sustainable Development Goals and broader global sustainable development agenda.

Since 2019 packs of its Jupiler brand have been sold in Belgium with 100% recycled shrink packaging, transforming what was previously waste, into packaging again. Then in 2020, in the UK, A-B InBev made an investment of close to US\$8m to replace plastic rings with technologies like KeelClip, a recyclable paper board alternative.

In terms of circularity, the drinks producer is working towards closing the loop and having 100% of its products in packaging that is returnable or made from a majority-recycled content by 2025. In 2020, A-B InBev launched the 'Return Home' project in Bogota, Columbia, a country where it claims to sell one million bottles per day, in order to collect single-use plastic bottles for recycling.

**A-B InBev's key circularity goals:**

- By 2025: 100% of its products will be in packaging that is returnable or made from majority recycled content
- By 2025: 100% of its purchased electricity will come from renewable sources
- By 2025: A quarter (25%) reduction in CO2 emissions across the whole value chain.

## 3. PepsiCo

US multinational food, snack and beverage corporation [PepsiCo](https://www.pepsico.com/) has a vision of becoming a global leader in beverages and convenient foods by putting sustainability first. PepsiCo states that packaging plays a key role in its overall sustainability agenda. It active

ly supports different policies used to promote a more sustainable, circular economy for packaging, including well-designed Extended Producer Responsibility (EPR) programmes that leverage industry leadership.

In 2021 the company launched its sustainability programme, [PepsiCo Positive \(PEP+\)](https://www.packaging-gateway.com/analysis/what-is-pepsico-hoping-for-from-pep/). The programme aims to make its plastic packaging from 50% recycled materials and halve its use of virgin plastic by 2030. The company states that it is working towards its vision of building a world where packaging never becomes waste.

A spokesperson from PepsiCo told Packaging Gateway: “We plan to do that by reducing the amount of packaging we use, working to ensure more is recycled and available for reuse and reinventing our packaging through exploring different models (such as reuse and refill) and innovating to use different materials. As part of our efforts on reduction, PepsiCo has a goal to cut virgin plastic per serving by 50% across its food & beverage portfolio by 2030.”

The spokesperson added that alongside the company’s work to reduce the amount of packaging it uses through methods such as light-weighting bottles, it is also working to use more recycled content in its packaging.

“In 2021, we transitioned several brands to 100% recycled plastic bottles (excluding cap and label) across 22 global markets. On recycling, PepsiCo is seeking to improve collection and recycling infrastructure through partnership investments and consumer engagement. This includes our participation in the Holy Grail 2.0 initiative to improve waste sorting through the use of invisible digital codes printed on packaging.”

In the US, PepsiCo is partnering with the American Beverage Association, independent conservation organisation World Wildlife Fund (WWF), The Recycling Partnership and local governments on an initiative called Every Bottle Back to invest in recycling infrastructure upgrades, expand access to recycling and support community education efforts.

“Reinvention requires innovation, and so PepsiCo is developing disruptive and innovative business models and technologies aimed to transform the way the world thinks about packaging. We are partnering with Pulpex with the goal to offer the first 100% recyclable paper bottle at scale, and globally expanding SodaStream, a game-changing platform that dramatically reduces the need for beverage packaging,” the spokesperson continued.

**PepsiCo’s key circularity goals:**

- By 2025: Design 100% of its packaging to be recyclable, compostable, biodegradable, or reusable
- By 2030: Cut virgin plastic from non-renewable sources per serving across its global beverages and convenient foods portfolio by 50%.

## 4. Nestlé

Swiss multinational food and drinks company Nestlé places sustainability firmly at the top of the agenda with the understanding that packaging has a vital role to play. The company has a vision that none of its packaging goes to landfill or ends up as litter, and it is committed to reducing its plastic use.

Nestlé states it has achieved four million tonnes of greenhouse gas emissions (CO<sub>2</sub>e) reductions through its projects. The company also explains that its Institute of Packaging Science and five-pillar packaging strategy shows its building a waste-free future.

“It is important to remember that food packaging is vital for protecting food against external influences such as moisture, heat, light, microbes or bacteria. Packaging preserves food and ensures it doesn’t spoil. It also helps reduce food waste. Plastic has made food safer. The packaging of food is much more demanding than the packaging of cleaning agents, for example,” a spokesperson for Nestlé told Packaging Gateway exclusively.

Nestlé plans to cut its plastic usage by reducing the weight of its plastic packaging by 35%, from 1.5 million tons in 2019 to 0.98 million tons at the end of 2021, as a result of product portfolio shifts and packaging redesigns.

The spokesperson explained: “In fact, we have moved beyond peak virgin plastic packaging and we are consistently reducing plastic year-on-year since our highest level in 2019, even while our business continues

to grow. Another way is through reusable and refillable systems. We have run over 20 pilots of reuse and refill systems in 12 countries, but we recognise that more needs to be done here. We will work with our retail partners to increase and scale up reuse and refill systems.

"Another approach is by redesigning packaging or pioneering alternative packaging. As of 2021, one-quarter of our plastic packaging that had previously not been designed for recycling had been improved and redesigned so that it could be recycled. At the same time, we additionally phased out non-recyclable materials.   

As of the end of 2021, the spokesperson said 80% of Nestlé's plastic packaging had been designed for recycling. In other words, it was made in such a way that it could be recycled in dedicated recycling facilities. 

"We expect to reach more than 95% by 2025 and remain committed to achieving 100%. We also believe that it is important to support dedicated recycling infrastructure." 

The spokesperson was honest about the fact a lack of infrastructure is currently the main barrier for a waste-free future. 

Nestlé is therefore actively advocating for a legally binding Global Plastics Treaty and the prospect of new, harmonised national regulations to follow, which it believes will help to end plastic pollution. 

**Nestlé's key circularity goals:**

- By 2025: More than 95% of plastic packaging will be designed for recycling systems.

## 5. Procter & Gamble

US multinational consumer goods corporation Procter & Gamble believes packaging plays an essential role in delivering products to consumers. It wants to push greater circularity for end-of-life packaging by working towards 100% recyclable or reusable packaging. 

The consumer goods company acknowledges that plastic waste in the environment is a serious problem and that driving greater circularity for plastics will require collaboration. This belief has seen partnerships such as [The Alliance to End Plastic Waste](https://endplasticwaste.org/), an initiative supported by over 50 companies committed to investing at least US\$1.5bn by 2023 in solutions that stop plastic leakage to the environment.

**Procter & Gamble's key circularity goals:**

- By 2030: 100% recyclable or reusable packaging
- By 2030: 50% reduction in virgin petroleum plastic resin in its packaging.

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Packaging Buyers Guide">\nh4>Free Buyers Guide</h4>\nh3 class="vmsdesc2">Leading Guide to Sustainable Packaging Solutions for the Packaging Industry</h3>\ndiv id="vms\_description" class="vmsdesc2 mobile-vertical-hide">The document includes detailed information on the manufacturers and suppliers and their products, along with contact details, to inform your purchasing decision.</div>\ndiv class="successMsg hidden" id="enquiry3\_2">\nb class="whitepaper\_\_title--msg">Thank you.</b>\nb class="whitepaper\_\_title--msg-2">Your download email will arrive shortly</b></div>\na href="javascript:void(0)" class="image-container small-2"></div>\n<!-- .content .small-9 -->\nim src="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/images/BuyersGuide\_icon.png" class="placeholder-image lazyload"></a>\n</div>\n<!-- grid-x -->\ndiv class="grid-x">\ndiv class="form-wrapper large-9">\nform id="enquiryform\_2" method="post" enctype="text/plain" target="formResult" action="" class="form">\n\ndiv class="form-group">\n\ndiv class="input-container">\ninput id="eng-email-vms" type="text" name="Email" class="enquiry\_\_input" placeholder="Enter your work email" tabindex="1" aria-required="true" onkeyup="checkEmail\_1(this.form.Email)"/>\n\n</div>\n\ndiv id="hidden" class="enquiry-form-show\_2 hidden">\n\ndiv class="form-group">\n\ninput id="eng-first

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<option data-countryCode="AD" value="376">Andorra (+376)</option>\n
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<option data-countryCode="AT" value="43">Austria (+43)</option>\n
<option data-countryCode="AZ" value="994">Azerbaijan (+994)</option>\n
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<option data-countryCode="BB" value="1246">Barbados (+1246)</option>\n
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<option data-countryCode="BE" value="32">Belgium (+32)</option>\n
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Italy</option>\n
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<h4><a href="https://www.globaldat
a.com/store/?s=AB InBev UK Ltd&scalar=true&searchKeyName=companyname&wpsolr_sort=p
ublication_date_str_desc&pid=76591&sid=16" target="_blank">AB InBev UK Ltd</a></h4
>\n
</article>\n
<article class="cell large-12 hidecm
p">\n
<h4><a href="https://www.globaldata.com/store/?s=Coca-Cola Gm
bH&scalar=true&searchKeyName=companyname&wpsolr_sort=publication_date_str_desc&pid

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=76591&sid=16" target="_blank">Coca-Cola GmbH</a></h4>\n
\n\n      <span class="view-all" style="">\n\n      <a href="https://www.globaldat
a.com/companies/listing/search/" target="_blank" class="c-widget__link--all comp-v
iew new-window" style="\n
">View all</a>\n      </span>\n</div>\n<!-- .grid-x -->\n</div>\n  \n
\n    <div class="author-container desktop-only">\n      <div class="author-avatar a
vatar">\n        <div class="avatar-image__container">\n          <a href="https://www.packaging-gateway.com/author/ryanellington/">\n
\n          </a>\n        </div>\n      </dv>\n      <div class="avatar-name__container">\n
<h3 class="author-name">\n        <a href="https://www.packagi
ng-gateway.com/author/ryanellington/">Ryan Ellington</a>\n
</h3>\n      <h4 class="author-social-link">\n
</h4>\n      </div>\n    </div>\n
<div class="author-meta">\n      <div class="author-info"> \n
<h4 class="author-description"></h4>\n
</div>\n      </div>\n    \n
</div>\n\n\n      <!-- .companies-intelligence -->
\n\n\n<!-- .data-feeds -->\n\n<script type="text/javascript">\nvar hideshowcmpsExi
st = document.getElementsByClassName(\'hideshowcmps\');\nif (hideshowcmpsExist.len
gth > 0) {\n  document.getElementById("hideshowcmps").addEventListener("click",
function(event) {\n    event.preventDefault();\n    let x = document.getEle
mentsByClassName("hidecmp");\n    for (let i = 0; i < x.length; i++) {\n
x.item(i).classList.toggle("showcmp")\n    }\n    var viewmore_btn = thi
s.innerHTML;\n    var viewless_btn = document.createElement(\'viewless_btn
\');\n    viewless_btn.innerHTML = viewmore_btn;\n    if (viewless_btn.i
nnerText === "View More") {\n      this.innerHTML = "View Less";\n    }
else {\n      this.innerHTML = "View More";\n    }\n  });\n}\n</script
>
</div>\n      <!-- .sidebar-content -->\n    </
div>\n  </section>\n    </div>\n  </section>\n\n\n</ma
in>\n<!-- end #main-wrapper -->\n\n<div class="catfish">\n  <div class="banner c
atfish-banner">\n    <a href="#catfish" class="catfish-banner-a" id="catfish-b
anner-a">\n      <div class="banner-content catfish-banner-content" id="catf
ish-banner-content">\n        <div class="grid-x">\n          <f
igure class="cell small-3">\n            \n
</figure>\n          <div class="cell small-9 text">\n
<h4 id="catfish-banner-heading">Sign up for our daily news round-up!</h4>\n
<p class="mobile-only" id="catfish-banner-p-mobile">Give your business an edge wit
h our leading industry insights.</p>\n          <p class="desktop-on
ly" id="catfish-banner-p-desktop">Give your business an edge with our leading indu
stry insights. </p>\n          </div>\n          </div>\n
<div class="close catfish-banner-close">close</div>\n          </div>\n
</a>\n        </div>\n      <!-- .banner -->\n      <section class="block-ctf-newslett
er catfish-newsletter-container">\n        <div class="close catfish-newsletter-co
ntainer-close" id="close-trigger">close</div>\n        <div class="grid-containe
r">\n          <span class="leadsucessmsg" style="font-size:20px;color:green"></
span>\n          <span class="leaderrormsg" style="font-size:20px;color:red"></s
pan>\n          \n          <div class="grid-x">\n
<div class="cell large-6 large-offset-3">\n          <div class="form-
wrapper">\n          <div class="grid-x grid-padding-x">\n
<div class="cell large-12">\n          <h4>Sign up to the ne
wsletter</h4>\n          </div>\n          </div>
\n\n          <form id="newsletterForm_1" name="newsletterForm" clas
s="form catfish-newsletter-form" method="post" action="" enctype="text/plain">\n\n

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\n
    <div class="grid-x grid-padding-x">\n
<div class="cell small-12 column">\n
    <div class="form-group" style="opacity: 1;">\n
    <!-- <
h6>Your corporate email address</h6> -->\n
    <input type="text" id="checkEmail" name="email" required="" onkeyup="checkNewslett
ersEmail(this.form.email);">\n
    <span class="floating-label">Your corporate email address *</span>\n
    <small></small>\n
    <input type="hidden" id="temp_email" name="temp_email" value="">\n
    </div>\n
    </div>\n
\n
    <div class="grid-x grid-padding-x">\n
<div class="cell large-6 column">\n
    <div class="form-group" style="opacity: 1;">\n
    <input type="text" id="checkFirstName" name="firstname" required="">\n
    <span class="floating-label">First name *</span>\n
    <small></small>\n
    </div>\n
    </div>\n
    <div class="cell large-6 column">\n
<div class="form-group" style="opacity: 1;">\n
    <input type="text" required="" id="checkLastName" name="lastname">\n
    <span class="floating-label">Last name *</span>\n
    <small></small>\n
    </div>\n
    </div>\n
    </div>\n\n\n
    <div class="grid-x grid-padding-x">\n
    <div class="cell large-6 column">\n
    <div class="form-group" style="opacity: 1;">\n
    <input type="text" required="" id="checkCompany" name="Company">\n
    <span class="floating-label">Company name *</span>\n
    <small></small>\n
    </div>\n
    </div>\n
    <div class="cell large-6 column">\n
<div class="form-group" style="opacity: 1;">\n
    <input type="text" required="" id="checkJobTitle" name="jobtitle">\n
    <span class="floating-label">Job title *</span>\n
    <small></small>\n
    </div>\n
    </div>\n
    </div>\n\n\n
    <div class="checkboxes-and-submit">\n\n
    <div class="newsletter-checkboxes">\n\n
    <div id="pardot_data">\n
    <input type="hidden" name="collection[]" id="coll_1174">\n
    data-pardoturl="https://api.hsforms.com/submissions/v3/integration/secure/submit/2
6632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e">\n
    </div>\n
    <!-- #pardot_data -->\n\n
    <input type="hidden" value="https://api.hsforms.com/submissions/v3/integration/sec
ure/submit/26632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e">\n
    id="pardot_1174" name="collpardotlink[]">\n\n\n\n
    <div class="details_box Verdict_Privacy_opt_in pd-checkbox">\n
    <p class="Verdict_Privacy_opt_in pd-checkbox required no-label block-checkbox">\n
    <span class="value">\n
    <input class="checkboxinput" type="checkbox">\n
    value="https://api.hsforms.com/submissions/v3/integration/secure/submit/26632421/a
d95bb32-c5a6-49b9-b3e2-9f7cc000d30e||packaging_gateway_daily__c">\n
    id="_pardot-1">\n
    m_key_name[]" checked> \n\n
    <label class="inline" for="collection">\n
    Newsletter: In Brief
    </label>\n
    </span>\n
    </p>\n

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<div id="error_for_375012_477245pi_375012_477245" style="display:none"></div>\n
</div>\n
<!-- .details_box Verdict_Privacy_opt_
in pd-checkbox -->\n\n
\n
<div class="details_box Verdict_Privacy_opt_
in pd-checkbox">\n
<p class="Verdict_Privac
y_opt_in pd-checkbox required no-label block-checkbox">\n
<span class="value">\n
<input class="checkboxinput" type="checkbox"\n
value="https://api.hsforms.com/submissions/v3/integration/secure/submit/26632421/a
d95bb32-c5a6-49b9-b3e2-9f7cc000d30e||packaging_gateway_digital_magazine__c"\n
id="_pardot-2"\n
name="news_for
m_key_name[]" checked> \n\n
<la
bel class="inline" for="collection">\n
Digital Magazine
</span>\n
</span>\n
</p>\n
<div id="error_for_375012_477245pi_3
75012_477245" style="display:none"></div>\n
</div>\n
<!-- .details_box Verdict_Privacy_opt_in
pd-checkbox -->\n\n
\n
<div class="details_box Verdict_Privacy_opt_
in pd-checkbox">\n
<p class="Verdict_Privac
y_opt_in pd-checkbox required no-label block-checkbox">\n
<span class="value">\n
<input class="checkboxinput" type="checkbox"\n
value="https://api.hsforms.com/submissions/v3/integration/secure/submit/26632421/a
d95bb32-c5a6-49b9-b3e2-9f7cc000d30e||digital_magazine__thematic_take"\n
id="_pardot-3"\n
name="news_for
m_key_name[]" checked> \n\n
<la
bel class="inline" for="collection">\n
Digital Magazine: Thematic Take
</label>\n
</span>\n
</span>\n
</p>\n
<div id="error_for_375012_477245pi_375012_477245" style="display:none"></div>\n
</div>\n
<!-- .details_box Verdict_Privacy_opt_
in pd-checkbox -->\n\n
</div>\n
<!-- .newsletter-checkboxes -->\n\n\n\n
<div class="gdpr-consent">\n
<div class="details_bo
x form-group">\n
<p class="Verdict_Privacy_opt_
in pd-checkbox required no-label block-checkbox">\n
<input type="checkbox" name="consent" id="enq-gdpr" class="consent-checkbox" value
="I consent to Verdict Media Limited collecting my details provided via this form
in accordance with Privacy Policy" onchange="" required>\n
\n
<span class="inline" for="consent">\n
I consent to Verdict Media Limited collecting my details provided via this form in
accordance with <a href="https://www.verdict.co.uk/privacy-policy/" target="_blan
k">Privacy Policy</a>\n
</span>\n
</p>\n
<small></small>\n
</div>\n
<!-- .gdpr
-consent -->\n\n\n
<label f
or="captcha">\n
<div class="g-recaptcha" data-s
itekey="6LcQbJQUAAAAOm00oVcGhdeuWRaYeG44rfzGqtv"></div>\n
<small id="captcha"></small>\n
</label>\n
\n\n
<div class="submit-button-container">\n
\n
<input type="hidden" name="Recaptcha_Secret_Key"
id="recaptch_secret_key" value="6LcQbJQUAAAAAHJi7uKe3jwmQA26s7l09YBI1KTr">\n
<div class="tempCode">\n
<input id="tempcode" t

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file:///C:/Users/Sunil Deshmukh/OneDrive/Desktop/Data analysis course/Python for Data Science, AI & Development/Week 5/Wk5.3 labs module ... 59/226

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file:///C:/Users/Sunil Deshmukh/OneDrive/Desktop/Data analysis course/Python for Data Science, AI & Development/Week 5/Wk5.3 labs module ... 63/226

[illegible]



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loop==1){\n                vmsnewTargetpopup(141531, 7, \'#slot-one\');\n            }\n            if(per_loop==2){\n                vmsnewTargetpopup(141531, 7, \'#slot-two\');\n            }\n            if(per_loop==3){\n                vmsnewTargetpopup(141531, 7, \'#slot-three\n            \');\n            }\n            per_loop++;\n            }\n            }\n            }\n            if(typeof(crbTracker.permutive.workspaceID) != "undefined" && crbTracker.permutive.workspaceID != null && typeof(crbTracker.permutive.publicAPIKey) != "undefined" && crbTracker.permutive.publicAPIKey != null) {\n                \npermutive.segment(47155, function(result){\n                    if(per_loop<4){\n                        if(per_loop==1){\n                            vmsnewTargetpopup(47155, 26, \'#slot-one\');\n                        }\n                        if(per_loop==2){\n                            vmsnewTargetpopup(47155, 26, \'#slot-two\');\n                        }\n                        if(per_loop==3){\n                            vmsnewTargetpopup(47155, 26, \'#slot-three\');\n                        }\n                        per_loop++;\n                    }\n                }\n            }\n            }\n            if(typeof(crbTracker.permutive.workspaceID) != "undefined" && crbTracker.permutive.workspaceID != null && typeof(crbTracker.permutive.publicAPIKey) != "undefined" && crbTracker.permutive.publicAPIKey != null) {\n                \npermutive.segment(108497, function(result){\n                    if(per_loop<4){\n                        if(per_loop==1){\n                            vmsnewTargetpopup(108497, 24, \'#slot-one\');\n                        }\n                        if(per_loop==2){\n                            vmsnewTargetpopup(108497, 24, \'#slot-two\');\n                        }\n                        if(per_loop==3){\n                            vmsnewTargetpopup(108497, 24, \'#slot-three\n                        \');\n                        }\n                        per_loop++;\n                    }\n                }\n            }\n            }\n            if(typeof(crbTracker.permutive.workspaceID) != "undefined" && crbTracker.permutive.workspaceID != null && typeof(crbTracker.permutive.publicAPIKey) != "undefined" && crbTracker.permutive.publicAPIKey != null) {\n                \npermutive.segment(61894, function(result){\n                    if(per_loop<4){\n                        if(per_loop==1){\n                            vmsnewTargetpopup(61894, 24, \'#slot-one\');\n                        }\n                        if(per_loop==2){\n                            vmsnewTargetpopup(61894, 24, \'#slot-two\');\n                        }\n                        if(per_loop==3){\n                            vmsnewTargetpopup(61894, 24, \'#slot-three\');\n                        }\n                        per_loop++;\n                    }\n                }\n            }\n            }\n        });\n    </script>\n    <!-- wpsolr - ajax auto completion nonce -->\n    <input type="hidden" id="wpsolr_autocomplete_nonce" value="edf50dcfe7">\n    <script type="text/javascript" src="https://www.google.com/recaptcha/api.js?ver=1.0" id="ha-recaptcha-js"></script>\n    <script type="text/javascript" id="Sgpolls0-js-extra">\n    /* <![CDATA[ */\n    \nvar Sgpolls = {"ajax_url":"https://www.packaging-gateway.com/wp-admin/admin-ajax.php","polls":["https://www.surveygizmo.eu/s3/90254976/All-sites-Poll-1-Company-s-Growth-Prospect?s=r=true&","https://www.surveygizmo.eu/s3/90255077/All-sites-Poll-2-Concern-on-COVID-19?s=r=true&","https://survey.alchemer.eu/s3/90598199/T-T-Poll-1-33-Travel-itineraries-Planning-and-research"],"options":{"title":false,"source":false,"userid":0,"usersid":"","time":false},"css":["@import https://live-b2b-gdm-figaro1.pantheonsite.io/wp-content/themes/goodlife-wp-B2B/assets/scss/main.css"],"jsOptions":{"jspollsSeparate":1,"jspollsOrder":null,"jspollsCaltc":1}};\n    /* <![CDATA[ */\n    </script>\n    <script type="text/javascript" src="https://www.packaging-gateway.com/wp-content/plugins/sgpolls/assets/iframeResizer.min.js?ver=2.0.c..1840514810" id="Sgpolls0-js"></script>\n    <script type="text/javascript" src="https://www.packaging-gateway.com/wp-content/plugins/sgpolls/assets/parent.js?ver=2.0.c..1840514810" id="Sgpolls1-js"></script>\n    <script type="text/javascript" src="https://www.packaging-gateway.com/wp-content/plugins/verdict-tracking/js/permutiveData.js?ver=1.0.5" id="crb-permutive-data-js"></script>\n    <script type="text/javascript" id="nsmgscampaigns-js-extra">\n    /* <![CDATA[ */\n    \nvar nsmgscampaigns = {"ajaxurl":"https://www.packaging-gateway.com/wp-admin/admin-ajax.php","nonce":"b350d9c16b"};\n    /* <![CDATA[ */\n    </script>\n    <script type="text/javascript" src="https://www.packaging-gateway.com/wp-content/plugins/nsmg-campaigns/assets/public/js/main.js?ver=2.7" defer id="nsmgscampaigns-js"></script>\n    <script type="text/javascript" src="https://www.packaging-gateway.com/wp-content/

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plugins/wpsolr-pro-gd/wpsolr/core/js/devbridge/jquery.autocomplete.js?ver=22.9\ ' id=
\'solr_auto_js1-js\'></script>\n<script type=\'text/javascript\' src=\'https://w
ww.packaging-gateway.com/wp-content/plugins/wpsolr-pro-gd/wpsolr/core/bower_compon
ents/jsurl/url.min.js?ver=22.9\' id=\'urljs-js\'></script>\n<script type=\'text/ja
vascript\' id=\'autocomplete-js-extra\'>\n/* <![CDATA[ */\nvar wp_localize_script_
autocomplete = {"data":{"wpsolr_v":"","ajax_url":"https://\\//www.packaging-gatewa
y.com\\//wp-admin\\//admin-ajax.php","lang":"","is_show_url_parameters":true,"is_aja
x":true,"SEARCH_PARAMETER_VIEW_ID":"wpsolr_v","SEARCH_PARAMETER_S":"s","SEARCH_PAR
AMETER_SEARCH":"search","SEARCH_PARAMETER_Q":"wpsolr_q","SEARCH_PARAMETER_FQ":"wps
olr_fq","SEARCH_PARAMETER_SORT":"wpsolr_sort","SEARCH_PARAMETER_PAGE":"wpsolr_pag
e","SORT_CODE_BY_RELEVANCY_DESC":"sort_by_relevancy_desc","css_ajax_container_page
_title":".page-title","css_ajax_container_page_sort":".woocommerce-ordering selec
t,.select_field","css_ajax_container_results":".products,.results-by-facets","css_
ajax_container_overlay":".products,.results-by-facets","css_ajax_container_paginat
ion":"nav.woocommerce-pagination,.paginate_div","css_ajax_container_pagination_pag
e":"a.page-numbers,a.paginate","css_ajax_container_results_count":".woocommerce-re
sult-count,.res_info","ajax_delay_ms":"","redirect_search_home":"","suggestions_ic
on":"https://\\//www.packaging-gateway.com\\//wp-content\\//plugins\\//wpsolr-pro-gd
\\//wpsolr\\//core\\//images\\//wpsolr-ajax-loader.gif","event_tracking":{"WPSOLR_AJAX
_EVENT_TRACKING_ACTION":"wpsolr_event_tracking","SEARCH_PARAMETER_RESULTS_QUERY_I
D":"wpsolr_rq","SEARCH_PARAMETER_RESULTS_POSITION":"wpsolr_rp","SEARCH_PARAMETER_E
VENT_TRACKING_NAME":"wpsolr_e","SEARCH_PARAMETER_EVENT_TRACKING_CLICK_RESULT":"c
r","css_event_tracking_results":"","event_tracking_query_id":""},"wpsolr_autocompl
ete_is_active":true,"wpsolr_autocomplete_selector":[],"wpsolr_autocomplete_actio
n":"wdm_return_solr_rows","wpsolr_autocomplete_nonce_selector":"#wpsolr_autocomple
te_nonce","wpsolr_is_search_admin":false}};\n/* ]]> */\n</script>\n<script type=
\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-content/plugins/wps
olr-pro-gd/wpsolr/core/js/autocomplete_solr.js?ver=22.9\' id=\'autocomplete-js\'>
</script>\n<script type=\'text/javascript\' src=\'https://www.packaging-gateway.co
m/wp-content/plugins/wpsolr-pro-gd/wpsolr/core/js/loadingoverlay/loadingoverlay.mi
n.js?ver=22.9\' id=\'loadingoverlay-js\'></script>\n<script type=\'text/javascript
\' id=\'infinitemscroll-js-extra\'>\n/* <![CDATA[ */\nvar wp_localize_script_infini
tescroll = {"ajax_url":"https://\\//www.packaging-gateway.com\\//wp-admin\\//admin-a
jax.php","loadimage":"https://\\//www.packaging-gateway.com\\//wp-content\\//plugins
\\//wpsolr-pro-gd\\//wpsolr\\//core\\//images\\//infinitemscroll.gif","loadingtext":"Loa
ding ...","SEARCH_PARAMETER_Q":"wpsolr_q"};\n/* ]]> */\n</script>\n<script type=
\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-content/plugins/wps
olr-pro-gd/wpsolr/core/js/jquery.infinitemscroll.js?ver=22.9\' id=\'infinitemscroll-
js\'></script>\n<script type=\'text/javascript\' src=\'https://cdn.jsdelivrn
et/npm/swiper@8/swiper-bundle.min.js\' id=\'Swiper-js\'></script>\n<script type=
\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-content/themes/goodlife-wp
-B2B/assets/js/swiper.js?ver=5.127\' id=\'gdm-b2b-swiper-script-js\'></script>\n<s
cript type=\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-content/
themes/goodlife-wp-B2B/assets/js/sep-22-ui.js?ver=1.8\' id=\'sep-22-redesign-ui-sc
ript-js\'></script>\n<script type=\'text/javascript\' src=\'https://www.packaging-
gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/catfish.js?ver=1.322\' id=
\'catfish-script-js\'></script>\n<script type=\'text/javascript\' src=\'https://ww
w.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/abTest.js?ver=
1.12\' id=\'ab-test-script-js\'></script>\n<script type=\'text/javascript\' src=
\'https://cdn.plyr.io/3.6.3/plyr.polyfilled.js?ver=3.6.3\' id=\'plyr-js\'></script
>\n<script type=\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-inc
ludes/js/underscore.min.js?ver=1.13.4\' id=\'underscore-js\'></script>\n<script ty
pe=\'text/javascript\' src=\'https://www.packaging-gateway.com/wp-content/themes/g
oodlife-wp/assets/js/vendor.min.js?ver=4.6.0\' id=\'thb-vendor-js\'></script>\n<sc
ript type=\'text/javascript\' id=\'thb-app-js-extra\'>\n/* <![CDATA[ */\nvar theme
ajax = {"url":"https://\\//www.packaging-gateway.com\\//wp-admin\\//admin-ajax.ph

```

```

p", "l10n": {"loading": "Loading ...", "nomore": "No More Posts"}, "settings": {"viai_publisher_id": "431861828953521", "thb_custom_video_player": "on"}}; \n/* ]]> */ \n</script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp/assets/js/app.min.js?ver=4.6.0' id='thb-app-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/wpsolr-pro-gd/wpsolr-pro/extensions/theme/template/facet-range/wpsolr-facet-range.js?ver=22.9' id='wpsolr-facet-range-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/wpsolr-pro-gd/wpsolr-pro/extensions/theme/template/facet-color-picker/wpsolr-facet-color-picker.js?ver=22.9' id='wpsolr-facet-color-picker-js-js'></script> \n<script type='text/javascript' src='https://cdn.onesignal.com/sdks/OneSignalSDK.js?ver=6.2.2' async='async' id='remote_sdk-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/storefronts-gd/assets/js/app.js?ver=5.8.1' id='main-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/collapseToggler.js?ver=1.1.0' id='Collapse-toggler-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/collapsible.js?ver=1.7.8' id='Collapse-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/modal.js?ver=1.7.9' id='Modal-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/storefronts-gd/assets/vendor/swiper/swiper.js?ver=6.8.3' id='Swiper-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/storefronts-gd/assets/js/swiper.js?ver=5.127' id='gdm-slider-js-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/plugins/vms-automation-gd/vms-script.js?ver=5.9.0' id='gdm-vms-script-js'></script> \n<script data-cfasync='false' type='text/javascript' data-parsely-site='packaging-gateway.com' src='https://cdn.parsely.com/keys/packaging-gateway.com/p.js?ver=2.6.1' id='parsely-cfg'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/jquery.min.js?ver=6.2.2' id='jquery_latest-js'></script> \n<script type='text/javascript' src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/detect-private-browsing.js?ver=6.2.2' id='detect_browsing-js'></script> \n<aside id='thb-login' class='mfp-hide thb-login-form light'> \n<ul> \n<li class='lost'> <a href='#' class='always'>Lost Password</a> <span class='back'>Back &#x27F6;</span></li> \n<li> <a href='#' class='active'>Login</a></li> \n<li> <a href='#'>Register</a></li> \n</ul> \n<div class='thb-overflow-container'> \n<div class='thb-form-container'> \n<div class='thb-lost'> \n<form id='thb_lost_form' action='https://www.packaging-gateway.com/' method='post'> \n<div class='thb-errors lost-errors'></div> \n<div class='form-field'> \n<input type='text' class='form-control required' name='thb_user_or_email' id='thb_user_or_email' value='' placeholder='Username or E-mail' /> \n</div> \n<div class='form-field'> \n<input type='hidden' name='action' value='thb_reset_password' /> \n<button class='btn' type='submit'>Get new password</button> \n</div> \n<div> \n<input type='hidden' id='password-security' name='password-security' value='050272aa68' /> \n<input type='hidden' name='_wp_http_referer' value='/features/are-the-top-five-fmcg-companies-leading-the-way-on-circularity/' /> \n</div> \n</div> \n<div class='thb-login'> \n<form id='thb_login_form' action='https://www.packaging-gateway.com/' method='post'> \n<div class='thb-errors login-errors'></div> \n<div class='form-field'> \n<input type='text' class='form-control required' name='thb_user_login' value='' placeholder='Username' autocomplete='off' /> \n</div> \n<div class='form-field'> \n<input type='password' class='form-control required' name='thb_user_pass' id='thb_user_pass' value='' placeholder='Password' /> \n</div> \n</div> \n<div class='form-field'> \n<a href='#' class

```

[illegible]

```

26632421.js?businessUnitId=15641589"></script>\n<!-- End of HubSpot Embed Code -->
\n<!--<script src="https://pr-fr-chat-b2b-gdm-figaro1.pantheonsite.io/mining-techn
ology/wp-content/themes/goodlife-wp-B2B/api-search/ai-search.js"></script>-->\n<sc
ript type="text/javascript">window.NREUM||(NREUM={});NREUM.info={"beacon":"bam.nr-
data.net","licenseKey":"NRJS-7b82eb47d05ddffd6c6","applicationID":"1250398555","tr
ansactionName":"MVAAZkoFWESURIKWgaI1FMDVldHEEPDVMKUA==","queueTime":0,"applicati
onTime":1540,"atts":"HRCDEAIIfS04=","errorBeacon":"bam.nr-data.net","agent":""}</sc
ript></body>\n</html><script type=\'text/javascript\' \n      src=\'https://www.p
ackaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/js/custom_newslette
r.js\'>\n</script>\n<script type=\'text/javascript\' src=\'https://www.google.com/
recaptcha/api.js?ver=1.0\' id=\'ha-recaptcha-js\'></script> \n<style>\ntable.compact {
\n  border-collapse: collapse;\n  border: solid 1px #979797;\n  font-siz
e: 0.9rem;\n  line-height: 2.3em;\n  margin-bottom: 0;\n  font-size: 13px;\n
font-weight: 400;\n  width: 100%;\n  font-family: "Atlas Grotesk Web", sans-se
rif;\n}\ntr.bg-grey {\n  border-bottom: solid 1px #cecece;\n  background: #272
74c;\n  color: #ffffff;\n  \n}\ntable.compact th, table.compact td{\n  text-
align: left;padding:0px 0px 0px 10px;\n  font-family: "Atlas Grotesk Web", sans-
serif;\n}\ntable.compact td{\n  border: solid 1px #979797 !important;\n}\n.n.table
source{\n  margin: 5px 0px;\n  font-size: 12px;\n}\n\n@media screen and (max-wid
th: 600px){\n  table.compact td{\n  display: revert !important;\n  \n  }
\n}\n/* .sidebar-content.sidebar-scalar {\ndisplay:block !important;\n} */\n@medi
a only screen and (min-width: 320px) and (max-width:920px)\n{\n  .mobile-userage
nt-scalar,.ind-mobile { display:block !important; } \n  .sidebar-content.sidebar
-scalar.desktop-useragent-scalar { display:none !important; } \n  .mobile-autho
rwidget { display:block !important; } \n  .article-header__content .article-hea
der__author.desktop-authorwidget { display:none !important; }\n}\n\n@media only scre
en and (min-width : 921px) {\n  .sidebar-content.sidebar-scalar.desktop-useragen
t-scalar,.ind-desk{ display:block !important; } \n  .mobile-useragent-scalar { d
isplay:none !important; } \n  .article-header__content .article-header__author.d
esktop-authorwidget { display:block !important; }\n  .mobile-authorwidget { disp
lay:none !important; } \n}\n</style>\n<link rel="stylesheet" href="https://www.pac
kaging-gateway.com/wp-content/themes/goodlife-wp-B2B/charts.css?ver=1.2" id="singl
e-charts" />\n'

```

```
In [15]: soup= BeautifulSoup(fmcg_data, 'html5lib')
```

```
In [16]: print(soup.prettify())
```

```

<!DOCTYPE html>
<html lang="en-US">
<head>
  <script async="" src="https://securepubads.g.doubleclick.net/tag/js/gpt.js">
  </script>
  <style>
    .login-button a {
      display: block;
      width: 100%;
      height: 100%;
    }
  </style>
  <script>
    window.googletag = window.googletag || {cmd: []};
    googletag.cmd.push(function() {

      var mapping1 = googletag.sizeMapping()
        .addSize([800, 0], [[775, 380]])
        .addSize([336, 0], [[300, 250], [336, 280]])
        .build();

      googletag.defineSlot('/14453196/Dianomi/Dianomi_End_of_Article', [[775,380]], 'div-gpt-ad-6530377-4')
        .defineSizeMapping(mapping1)
        .addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict/Verdict_Leaderboard', [[728,90],[970,250]], 'div-gpt-ad-6065588-1')
        .addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict/Verdict_MPU', [[300,250],[300,600]], 'div-gpt-ad-6065588-2').addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict/Verdict_In_Article', [670, 220], 'div-gpt-ad-6065588-3').addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict/Verdict-In-Article-Mobile', [[300,250],[320,50]], 'div-gpt-ad-6065588-4').addService(googletag.pubads());

      googletag.defineSlot('/14453196/Dianomi/Dianomi_Right_Rail', [[300,600]], 'div-gpt-ad-6530377-1').addService(googletag.pubads());
      googletag.defineSlot('/14453196/Dianomi/Dianomi_In_Article_1', [[300,250],[336,280]], 'div-gpt-ad-6530377-2').addService(googletag.pubads());
      googletag.defineSlot('/14453196/Dianomi/Dianomi_In_Article_2', [[300,250],[336,280]], 'div-gpt-ad-6530377-3').addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict_Whitepaper/Verdict_WP_Desktop', [[796,316]], 'div-gpt-ad-8581390-1') .addService(googletag.pubads());
      googletag.defineSlot('/14453196/Verdict_Whitepaper/Verdict_WP_Mobile', [[344,180]], 'div-gpt-ad-8581390-2') .addService(googletag.pubads());

      googletag.pubads().setTargeting("Site", "Packaging");
      googletag.pubads().enableSingleRequest();
      googletag.enableServices();

    });
  </script>
  <link href="https://fonts.googleapis.com" rel="preconnect"/>
  <link crossorigin="" href="https://fonts.gstatic.com" rel="preconnect"/>
  <link href="https://fonts.googleapis.com/css2?family=Lora:ital,wght@0,400;0,600;1,400;1,600&display=swap" rel="stylesheet"/>

```

```

<link as="style" href="https://www.packaging-gateway.com/wp-content/themes/goodlif
e-wp-B2B/assets/scss/fonts.css" id="fonts" media="all" onload="this.rel='styleshee
t'" rel="preload"/>
<meta charset="utf-8"/>
<meta content="ie=edge" http-equiv="x-ua-compatible"/>
<script type="text/javascript">
  (window.NREUM||(NREUM={})).init={privacy:{cookies_enabled:true},ajax:{deny_list:
["bam.nr-data.net"]},distributed_tracing:{enabled:true}};(window.NREUM||(NREUM={})).
loader_config={agentID:"1385880850",accountID:"3318845",trustKey:"66686",xid:"VwUGW
V5XDRABV1RSBAGPU1EE",licenseKey:"NRJS-7b82eb47d05ddfffd6c6",applicationID:"125039855
5"};/*! For license information please see nr-loader-spa-1.237.1.min.js.LICENSE.txt
*/
(()=>{"use strict";var e,t,r={5763:(e,t,r)=>{r.d(t,{P_:(()=>=>f,Mt:(()=>=>g,C5:(()=>=>s,DL:(
)=>v,OP:(()=>=>T,lF:(()=>=>j,Yu:(()=>=>y,Dg:(()=>=>h,CX:(()=>=>c,GE:(()=>=>b,sU:(()=>=>_)});var n=r(8632),i
=r(9567);const o={beacon:n.ce.beacon,errorBeacon:n.ce.errorBeacon,licenseKey:void 0,
applicationID:void 0,sa:void 0,queueTime:void 0,applicationTime:void 0,ttGuid:void
0,user:void 0,account:void 0,product:void 0,extra:void 0,jsAttributes:{},userAttribu
tes:void 0,atts:void 0,transactionName:void 0,tNamePlain:void 0},a={};function s(e)
{if(!e)throw new Error("All info objects require an agent identifier!");if(!a[e])thr
ow new Error("Info for ".concat(e," was never set"));return a[e]}function c(e,t){if
(!e)throw new Error("All info objects require an agent identifier!");a[e]=(0,i.D)(t,
o),(0,n.Qy)(e,a[e],"info")}var d=r(7056);const u=(()=>=>{const e={blockSelector:"[data-
nr-block]",maskInputOptions:{password:!0}};return{allow_bfcache:!0,privacy:{cookies_
enabled:!0},ajax:{deny_list:void 0,block_internal:!0,enabled:!0,harvestTimeSeconds:1
0},distributed_tracing:{enabled:void 0,exclude_newrelic_header:void 0,cors_use_newre
lic_header:void 0,cors_use_tracecontext_headers:void 0,allowed_origins:void 0},sessi
on:{domain:void 0,expiresMs:d.oD,inactiveMs:d.Hb},ssl:void 0,obfuscate:void 0,jserro
rs:{enabled:!0,harvestTimeSeconds:10},metrics:{enabled:!0},page_action:{enabled:!0,h
arvestTimeSeconds:30},page_view_event:{enabled:!0},page_view_timing:{enabled:!0,harv
estTimeSeconds:30,long_task:!1},session_trace:{enabled:!0,harvestTimeSeconds:10},har
vest:{tooManyRequestsDelay:60},session_replay:{enabled:!1,harvestTimeSeconds:60,samp
leRate:.1,errorSampleRate:.1,maskTextSelector:"*",maskAllInputs:!0,get_blockClass()
{return"nr-block"},get_ignoreClass(){return"nr-ignore"},get_maskTextClass(){return"n
r-mask"},get_blockSelector(){return e.blockSelector},set_blockSelector(t){e.blockSel
ector+=t},get_maskInputOptions(){return e.maskInputOptions},set_maskInputOptions(t){e.maskInputOptions={...t,password:!0}},spa:{enabled:!0,harvestTimeSecon
ds:10}},l={};function f(e){if(!e)throw new Error("All configuration objects require
an agent identifier!");if(!l[e])throw new Error("Configuration for ".concat(e," was
never set"));return l[e]}function h(e,t){if(!e)throw new Error("All configuration ob
jects require an agent identifier!");l[e]=(0,i.D)(t,u()),(0,n.Qy)(e,l[e],"config")}f
unction g(e,t){if(!e)throw new Error("All configuration objects require an agent ide
ntifier!");var r=f(e);if(r){for(var n=t.split("."),i=0;i<n.length-1;i++)if("object"!
=typeof(r=r[n[i]]))return;r=r[n[n.length-1]]}return r}const p={accountID:void 0,tru
stKey:void 0,agentID:void 0,licenseKey:void 0,applicationID:void 0,xpid:void 0},m={};
function v(e){if(!e)throw new Error("All loader-config objects require an agent iden
tifier!");if(!m[e])throw new Error("LoaderConfig for ".concat(e," was never set"));r
eturn m[e]}function b(e,t){if(!e)throw new Error("All loader-config objects require
an agent identifier!");m[e]=(0,i.D)(t,p),(0,n.Qy)(e,m[e],"loader_config")}const y=
(0,n.mF)().o;var w=r(385),x=r(6818);const A={buildEnv:x.Re,bytesSent:{},queryBytesSe
nt:{},customTransaction:void 0,disabled:!1,distMethod:x.gF,isolatedBacklog:!1,loader
Type:void 0,maxBytes:3e4,offset:Math.floor(w._A?.performance?.timeOrigin|w._A?.perf
ormance?.timing?.navigationStart|Date.now()),onerror:void 0,origin:""+w._A.locatio
n,ptid:void 0,releaseIds:{},session:void 0,xhrWrappable:"function"==typeof w._A.XMLH
ttpRequest?.prototype?.addEventListener,version:x.q4,denyList:void 0},E={};function
T(e){if(!e)throw new Error("All runtime objects require an agent identifier!");if(!E
[e])throw new Error("Runtime for ".concat(e," was never set"));return E[e]}function

```

```

_(e,t){if(!e)throw new Error("All runtime objects require an agent identifier!");E
[e]=(0,i.D)(t,A),(0,n.Qy)(e,E[e],"runtime")}function j(e){return function(e){try{con
st t=s(e);return!!t.licenseKey&&!!t.errorBeacon&&!!t.applicationID}catch(e){return!
1}}(e)}},9567:(e,t,r)=>{r.d(t,{D:()=>i});var n=r(50);function i(e,t){try{if(!e||"obj
ect"!==typeof e)return(0,n.Z)("Setting a Configurable requires an object as input");i
f(!t||"object"!==typeof t)return(0,n.Z)("Setting a Configurable requires a model to s
et its initial properties");const r=Object.create(Object.getPrototypeOf(t),Object.ge
tOwnPropertyDescriptors(t)),o=0===Object.keys(r).length?e:r;for(let a in o){if(void
0!==e[a])try{"object"===typeof e[a]&&"object"===typeof t[a]?r[a]=i(e[a],t[a]):r[a]=e
[a]}catch(e){(0,n.Z)("An error occurred while setting a property of a Configurable",
e)}return r}catch(e){(0,n.Z)("An error occurred while setting a Configurable",e)}}},6
818:(e,t,r)=>{r.d(t,{Re:()=>i,gF:()=>o,q4:()=>n});const n="1.237.1",i="PROD",o="CD
N",385:(e,t,r)=>{r.d(t,{FN:()=>a,IF:()=>d,Nk:()=>l,Tt:()=>s,_A:()=>o,il:()=>n,pL:()
=>c,v6:()=>i,w1:()=>u});const n="undefined"!==typeof window&&!!window.document,i="und
efined"!==typeof WorkerGlobalScope&&("undefined"!==typeof self&&self instanceof Worker
GlobalScope&&self.navigator instanceof WorkerNavigator||"undefined"!==typeof globalTh
is&&globalThis instanceof WorkerGlobalScope&&globalThis.navigator instanceof WorkerN
avigator),o=n?window:"undefined"!==typeof WorkerGlobalScope&&("undefined"!==typeof sel
f&&self instanceof WorkerGlobalScope&&self||"undefined"!==typeof globalThis&&globalTh
is instanceof WorkerGlobalScope&&globalThis),a=""+"o?.location,s=/iPad|iPhone|iPod/.t
est(navigator.userAgent),c=s&&"undefined"===typeof SharedWorker,d=(()=>{const e=navig
ator.userAgent.match(/Firefox[/\s](\d+\.\d+)/);return Array.isArray(e)&&e.length>2?
+e[1]:0})(),u=Boolean(n&&window.document.documentMode),l=!navigator.sendBeacon},111
7:(e,t,r)=>{r.d(t,{w:()=>o});var n=r(50);const i={agentIdentifier:"",ee:void 0};clas
s o{constructor(e){try{if("object"!==typeof e)return(0,n.Z)("shared context requires
an object as input");this.sharedContext={},Object.assign(this.sharedContext,i),Objec
t.entries(e).forEach((e=>{let[t,r]=e;Object.keys(i).includes(t)&&(this.sharedContext
[t]=r)}))}catch(e){(0,n.Z)("An error occurred while setting SharedContext",e)}}},8e
3:(e,t,r)=>{r.d(t,{L:()=>u,R:()=>c});var n=r(2177),i=r(1284),o=r(4322),a=r(3325);con
st s={};function c(e,t){const r={staged:!1,priority:a.p[t]||0};d(e),s[e].get(t)||s
[e].set(t,r)}function d(e){e&&(s[e]||(s[e]=new Map))}function u(){let e=arguments.le
ngth>0&&void 0!==arguments[0]?arguments[0]:"",t=arguments.length>1&&void 0!==argumen
ts[1]?arguments[1]:"feature";if(d(e),!e||!s[e].get(t))return a(t);s[e].get(t).staged
=!0;const r=[...s[e]];function a(t){const r=e.n.ee.get(e):n.ee,a=o.X.handlers;if(r.b
acklog&&a){var s=r.backlog[t],c=a[t];if(c){for(var d=0;s&&d<s.length;++d)l(s[d],c);
(0,i.D)(c,(function(e,t){(0,i.D)(t,(function(t,r){r[0].on(e,r[1]))})))}delete a[t],
r.backlog[t]=null,r.emit("drain-"+t,[t])}r.every((e=>{let[t,r]=e;return r.staged}))&
&(r.sort(((e,t)=>e[1].priority-t[1].priority)),r.forEach((e=>{let[t]=e;a(t)})))}func
tion l(e,t){var r=e[1];(0,i.D)(t[r],(function(t,r){var n=e[0];if(r[0]===n){var i=r
[1],o=e[3],a=e[2];i.apply(o,a)}})}},2177:(e,t,r)=>{r.d(t,{c:()=>l,ee:()=>d});var n=
r(8632),i=r(2210),o=r(1284),a=r(5763),s="nr@context";let c=(0,n.fP)();var d;function
u(){function l(e){return(0,i.X)(e,s,f)}function f(){return new u}function h(){d.abo
rted=!0,d.backlog={}}c.ee?d=c.ee:(d=function e(t,r){var n={},c={},l={},g=!1;try{g=16
===r.length&&(0,a.OP)(r).isolatedBacklog}catch(e){}var p={on:b,addEventListener:b,re
moveEventListener:y,emit:v,get:x,listeners:w,context:m,buffer:A,abort:h,aborted:!1,i
sBuffering:E,debugId:r,backlog:g?{t:&&"object"===typeof t.backlog?t.backlog:{}};retu
rn p;function m(e){return e&&e instanceof u?e:e?(0,i.X)(e,s,f):f)}function v(e,r,n,
i,o){if(!1!==o&&(o=!0),!d.aborted||i){t&&o&&t.emit(e,r,n);for(var a=m(n),s=w(e),u=s.
length,l=0;l<u;l++)s[l].apply(a,r);var f=T()[c[e]];return f&&f.push([p,e,r,a]),a}fu
nction b(e,t){n[e]=w(e).concat(t)}function y(e,t){var r=n[e];if(r)for(var i=0;i<r.le
ngth;i++)r[i]===t&&r.splice(i,1)}function w(e){return n[e]||[]}function x(t){return
l[t]=l[t]||e(p,t)}function A(e,t){var r=T();p.aborted||(0,o.D)(e,(function(e,n){t=t|
|"feature",c[n]=t,t in r||(r[t]=[])}))}function E(e){return!!T()[c[e]]}function T()
{return p.backlog}}(void 0,"globalEE"),c.ee=d}},5546:(e,t,r)=>{r.d(t,{E:()=>n,p:()=>
i});var n=r(2177).ee.get("handle");function i(e,t,r,i,o){o?(o.buffer([e],i),o.emit
(e,t,r)):(n.buffer([e],i),n.emit(e,t,r))}},4322:(e,t,r)=>{r.d(t,{X:()=>o});var n=r(5

```



```

546);o.on=a;var i=o.handlers={};function o(e,t,r,o){a(o||n.E,i,e,t,r)}function a(e,
t,r,i,o){o||(o="feature"),e||(e=n.E);var a=t[o]=t[o]||{};(a[r]=a[r]||[]).push([e,
i])}},3239:(e,t,r)=>{r.d(t,{bP:()=>s,iz:()=>c,m$:()=>a});var n=r(385);let i=!1,o=!1;
try{const e={get passive(){return i=!0,!1},get signal(){return o=!0,!1}};n._A.addEve
ntListener("test",null,e),n._A.removeEventListener("test",null,e)}catch(e){}function
a(e,t){return i||o?{capture:!!e,passive:i,signal:t}:!e}function s(e,t){let r=argume
nts.length>2&&void 0!==arguments[2]&&arguments[2],n=arguments.length>3?arguments[3]:
void 0;window.addEventListener(e,t,a(r,n))}function c(e,t){let r=arguments.length>2&
&void 0!==arguments[2]&&arguments[2],n=arguments.length>3?arguments[3]:void 0;docume
nt.addEventListener(e,t,a(r,n))}},4402:(e,t,r)=>{r.d(t,{Ht:()=>d,M:()=>c,Rl:()=>a,k
y:()=>s});var n=r(385);const i="xxxxxxxx-xxxx-4xxx-yxxx-xxxxxxxxxxxx";function o(e,
t){return e?15&e[t]:16*Math.random()*10}function a(){const e=n._A?.crypto||n._A?.msCr
ypto;let t,r=0;return e&&e.getRandomValues&&(t=e.getRandomValues(new Uint8Array(3
1))),i.split("").map((e=>"x"===e?o(t,++r).toString(16):"y"===e?(3&o()|8).toString(1
6):e)).join("")}function s(e){const t=n._A?.crypto||n._A?.msCrypto;let r,i=0;t&&t.ge
tRandomValues&&(r=t.getRandomValues(new Uint8Array(31)));const a=[];for(var s=0;s<e;
s++)a.push(o(r,++i).toString(16));return a.join("")}function c(){return s(16)}functi
on d(){return s(32)}},7056:(e,t,r)=>{r.d(t,{Bq:()=>n,Hb:()=>o,oD:()=>i});const n="NR
BA",i=144e5,o=18e5,7894:(e,t,r)=>{function n(){return Math.round(performance.now
())}r.d(t,{z:()=>n}),7243:(e,t,r)=>{r.d(t,{e:()=>o});var n=r(385),i={};function o
(e){if(e in i)return i[e];if(0===e| "").indexOf("data:")return{protocol:"data"};le
t t;var r=n._A?.location,o={};if(n.il)t=document.createElement("a"),t.href=e;else tr
y{t=new URL(e,r.href)}catch(e){return o}o.port=t.port;var a=t.href.split("://");!o.p
ort&&a[1]&&(o.port=a[1].split("/") [0].split("@").pop().split(":") [1]),o.port&&"0"!==
o.port|| (o.port="https"===a[0]?"443":"80"),o.hostname=t.hostname||r.hostname,o.pathn
ame=t.pathname,o.protocol=a[0], "/"!==(o.pathname.charAt(0)&&(o.pathname="/" +o.pathnam
e));var s=t.protocol|| ":"===t.protocol|| t.protocol===r.protocol,c=t.hostname===r.hos
tname&&t.port===r.port;return o.sameOrigin=s&&(!t.hostname|c), "/"===o.pathname&&(i
[e]=o),o}},50:(e,t,r)=>{function n(e,t){"function"===typeof console.warn&&(console.wa
rn("New Relic: ".concat(e)),t&&console.warn(t))}r.d(t,{Z:()=>n}),2587:(e,t,r)=>{r.d
(t,{N:()=>c,T:()=>d});var n=r(2177),i=r(5546),o=r(8e3),a=r(3325);const s={stn:[a.D.s
essionTrace],err:[a.D.jserrors,a.D.metrics],ins:[a.D.pageAction],spa:[a.D.spa],sr:
[a.D.sessionReplay,a.D.sessionTrace]};function c(e,t){const r=n.ee.get(t);e&&"objec
t"===typeof e&&(Object.entries(e).forEach((e=>{let[t,n]=e;void 0===d[t]&&(s[t]?s[t].f
orEach((e=>{n?(0,i.p)("feat-" +t,[],void 0,e,r):(0,i.p)("block-" +t,[],void 0,e,r),(0,
i.p)("rumresp-" +t,[Boolean(n)],void 0,e,r)})):n&&(0,i.p)("feat-" +t,[],void 0,void 0,
r),d[t]=Boolean(n)})),Object.keys(s).forEach((e=>{void 0===d[e]&&(s[e]?s[e].forEach((t=
>(0,i.p)("rumresp-" +e,[!1],void 0,t,r)),d[e]=!1)})),(0,o.l)(t,a.D.pageViewEvent))}c
onst d={},2210:(e,t,r)=>{r.d(t,{X:()=>i});var n=Object.prototype.hasOwnProperty;fun
ction i(e,t,r){if(n.call(e,t))return e[t];var i=r();if(Object.defineProperty&&Objec
t.keys)try{return Object.defineProperty(e,t,{value:i,writable:!0,enumerable:!1}),i}c
atch(e){return e[t]=i,i}},1284:(e,t,r)=>{r.d(t,{D:()=>n});const n=(e,t)=>Object.ent
ries(e|{}).map((e=>{let[r,n]=e;return t(r,n)})),4351:(e,t,r)=>{r.d(t,{P:()=>o});va
r n=r(2177);const i=()=>{const e=new WeakSet;return(t,r)=>{if("object"===typeof r&&n
ull!==(r)){if(e.has(r))return;e.add(r)}return r}};function o(e){try{return JSON.stringi
fy(e,i())}catch(e){try{n.ee.emit("internal-error",[e])}catch(e){}}}},3960:(e,t,r)=>
{r.d(t,{K:()=>a,b:()=>o});var n=r(3239);function i(){return"undefined"===typeof docum
ent||"complete"===document.readyState}function o(e,t){if(i())return e();(0,n.bP)("lo
ad",e,t)}function a(e){if(i())return e();(0,n.iz)("DOMContentLoaded",e)},8632:(e,t,
r)=>{r.d(t,{EZ:()=>d,Qy:()=>c,ce:()=>o,fP:()=>a,gG:()=>u,mF:()=>s});var n=r(7894),i=
r(385);const o={beacon:"bam.nr-data.net",errorBeacon:"bam.nr-data.net"};function a()
{return i._A.NREUM||(i._A.NREUM={}),void 0===i._A.newrelic&&(i._A.newrelic=i._A.NREU
M),i._A.NREUM}function s(){let e=a();return e.o||(e.o={ST:i._A.setTimeout,SI:i._A.se
tImmediate,CT:i._A.clearTimeout,XHR:i._A.XMLHttpRequest,REQ:i._A.Request,EV:i._A.Eve
nt,PR:i._A.Promise,MO:i._A.MutationObserver,FETCH:i._A.fetch}),e}function c(e,t,r){l
et i=a();const o=i.initializedAgents||[],s=o[e]||{};return Object.keys(s).length|

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(s.initializedAt={ms:(0,n.z()),date:new Date}),i.initializedAgents={...o,[e]:{...s,
[r]:t}},i}function d(e,t){a()[e]=t}function u(){return function(){let e=a();const t=
e.info||{};e.info={beacon:o.beacon,errorBeacon:o.errorBeacon,...t}}(),function(){let
e=a();const t=e.init||{};e.init={...t}}(),s(),function(){let e=a();const t=e.loader_
config||{};e.loader_config={...t}}(),a())},7956:(e,t,r)=>{r.d(t,{N:()=>i});var n=r(3
239);function i(e){let t=arguments.length>1&&void 0!==(arguments[1]&&arguments[1],r=a
rguments.length>2?arguments[2]:void 0,i=arguments.length>3?arguments[3]:void 0;retur
n void(0,n.iz)("visibilitychange",(function(){if(t)return void("hidden"==document.vi
sibilityState&&e());e(document.visibilityState)}),r,i)}},1214:(e,t,r)=>{r.d(t,{em:()
=>v,u5:()=>D,QU:()=>S,_L:()=>I,Gm:()=>z,Lg:()=>M,BV:()=>X,Kf:()=>K});var n=r(2177);c
onst i="nr@original";var o=Object.prototype.hasOwnProperty,a=!1;function s(e,t){retu
rn e||e=n.ee},r.inPlace=function(e,t,n,i,o){n||(n="");var a,s,c,d="-"===n.charAt
(0);for(c=0;c<t.length;c++)u(a=e[s=t[c]]||e[s]=r(a,d?s+n:n,i,s,o)),r.flag=i,r;fun
ction r(t,r,n,a,s){return u(t)?t:(r||(r=""),nrWrapper[i]=t,d(t,nrWrapper,e),nrWrape
r);function nrWrapper(){var i,d,u,l;try{d=this,i=[...arguments],u="function"==typeof
n?n(i,d):n||{}}catch(t){c([t,"",[i,d,a],u],e)}o(r+"start",[i,d,a],u,s);try{return l=
t.apply(d,i)}catch(e){throw o(r+"err",[i,d,e],u,s),e}finally{o(r+"end",[i,d,l],u,
s)}}}function o(r,n,i,o){if(!a||t){var s=a;a=!0;try{e.emit(r,n,i,t,o)}catch(t){c([t,
r,n,i],e)}a=s}}function c(e,t){t||(t=n.ee);try{t.emit("internal-error",e)}catch(e)
{}}function d(e,t,r){if(Object.defineProperty&&Object.keys)try{return Object.keys
(e).forEach((function(r){Object.defineProperty(t,r,{get:function(){return e[r]},set:
function(t){return e[r]=t,t}})}),t)}catch(e){c([e],r)}for(var n in e)o.call(e,n)&&(t
[n]=e[n]);return t}function u(e){return!(e&&e instanceof Function&&e.apply&&e[i])}v
ar l=r(2210),f=r(385);const h={},g=XMLHttpRequest,p="addEventListener",m="removeEven
tListener";function v(e){var t=function(e){return(e||n.ee).get("events")}(e);if(h[t.
debugId]++)return t;h[t.debugId]=1;var r=s(t,l);function i(e){r.inPlace(e,[p,m],"-
",o)}function o(e,t){return e[1]}return"getPrototypeOf"in Object&&(f.il&&b(document,
i),b(f._A,i),b(g.prototype,i)),t.on(p+"-start",(function(e,t){var n=e[1];if(null!==(n
&&("function"==typeof n||"object"==typeof n)){var i=(0,l.X)(n,"nr@wrapped",(function
(){var e={object:function(){if("function"!=typeof n.handleEvent)return;return n.hand
leEvent.apply(n,arguments)},function:n}[typeof n];return e?r(e,"fn-",null,e.name||"a
nonymous"):n)});this.wrapped=e[1]=i}}),t.on(m+"-start",(function(e){e[1]=this.wrapp
ed||e[1]}),t)}function b(e,t){let r=e;for(; "object"==typeof r&&!Object.prototype.has
OwnProperty.call(r,p);)r=Object.getPrototypeOf(r);for(var n=arguments.length,i=new A
rray(n>2?n-2:0),o=2;o<n;o++)i[o-2]=arguments[o];r&&t(r,...i)}var y="fetch-",w=y+"bod
y-",x=["arrayBuffer","blob","json","text","formData"],A=f._A.Request,E=f._A.Respons
e,T="prototype",_="nr@context";const j={};function D(e){const t=function(e){return(e
||n.ee).get("fetch")}(e);if(!(A&&E&&f._A.fetch))return t;if(j[t.debugId]++)return t;
function r(e,r,n){var i=e[r];"function"==typeof i&&(e[r]=function(){var e,r=[...argu
ments],o={};t.emit(n+"before-start",[r],o),o[_]&&o[_].dt&&(e=o[_].dt);var a=i.appl
y(this,r);return t.emit(n+"start",[r,e],a),a.then((function(e){return t.emit(n+"end",
[null,e],a,e)),(function(e){throw t.emit(n+"end",[e],a,e)}))}}return j[t.debugId]=
1,x.forEach((e=>{r(A[T],e,w),r(E[T],e,w)})),r(f._A,"fetch",y),t.on(y+"end",(function
(e,r){var n=this;if(r){var i=r.headers.get("content-length");null!==(i&&(n.rxSize=i),
t.emit(y+"done",[null,r],n))}else t.emit(y+"done",[e],n)}),t)}const C={},N=["pushStat
e","replaceState"];function S(e){const t=function(e){return(e||n.ee).get("history")
}(e);return!f.il||C[t.debugId]++||C[t.debugId]=1,s(t).inPlace(window.history,N,"-
"),t}var O=r(3239);const P={},R=["appendChild","insertBefore","replaceChild"];funct
ion I(e){const t=function(e){return(e||n.ee).get("jsonp")}(e);if(!f.il||P[t.debugI
d])return t;P[t.debugId]=!0;var r=s(t),i=/[?&](?:callback|cb)=(\[^\&#\]+)\./\
([^\.]*)/,a=/^(\\w+)(\\.|$)(.*)$/;function c(e,t){if(!e)return t;const r=e.match(a),n=r
[1];return c(r[3],t[n])}return r.inPlace(Node.prototype,R,"dom-"),t.on("dom-start",
(function(e){!function(e){if(!e||"string"!=typeof e.nodeName||"script"!=e.nodeName.
toLowerCase())return;if("function"!=typeof e.addEventListener)return;var n=(a=e.src,
s=a.match(i),s?s[1]:null);var a,s;if(!n)return;var d=function(e){var t=e.match(o);if
(t&&t.length>=3)return{key:t[2],parent:c(t[1],window)};return{key:e,parent>window}}

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(n);if("function"!==typeof d.parent[d.key])return;var u={};function l(){t.emit("jsonp-end",[],u),e.removeEventListener("load",l,(0,0,m$)(!1)),e.removeEventListener("error",f,(0,0,m$)(!1))}function f(){t.emit("jsonp-error",[],u),t.emit("jsonp-end",[],u),e.removeEventListener("load",l,(0,0,m$)(!1)),e.removeEventListener("error",f,(0,0,m$)(!1))}r.inPlace(d.parent,[d.key],"cb-",u),e.addEventListener("load",l,(0,0,m$)(!1)),e.addEventListener("error",f,(0,0,m$)(!1)),t.emit("new-jsonp",[e.src],u)}(e[0]))},t}var k=r(5763);const H={};function z(e){const t=function(e){return(e|n.ee).get("mutation")}(e);if(!f.il||H[t.debugId])return t;H[t.debugId]=!0;var r=s(t),i=k.Yu.MO;return i&&(window.MutationObserver=function(e){return this instanceof i?new i(r(e,"fn-")):i.apply(this,arguments)},MutationObserver.prototype=i.prototype),t}const L={};function M(e){const t=function(e){return(e|n.ee).get("promise")}(e);if(L[t.debugId])return t;L[t.debugId]=!0;var r=n.c,o=s(t),a=k.Yu.PR;return a&&function(){function e(r){var n=t.context(),i=o(r,"executor-",n,null,!1);const s=Reflect.construct(a,[i],e);return t.context(s).getCtx=function(){return n},s}f._A.Promise=e,Object.defineProperty(e,"name",{value:"Promise"}),e.toString=function(){return a.toString()},Object.setPrototypeOf(e,a),["all","race"].forEach((function(r){const n=a[r];e[r]=function(e){let i=!1;[...e]||[]}.forEach((e=>{this.resolve(e).then(a("all"===r),a(!1)))));const o=n.apply(this,arguments);return o;function a(e){return function(){t.emit("propagate",[null,!i],o,!1,!1),i=i||!e}})),["resolve","reject"].forEach((function(r){const n=a[r];e[r]=function(e){const r=n.apply(this,arguments);return e!==(r&&t.emit("propagate",[e,!0],r,!1,!1),r)})),e.prototype=a.prototype;const n=a.prototype.then;a.prototype.then=function(){var e=this,i=r(e);i.promise=e;for(var a=arguments.length,s=new Array(a),c=0;c<a;c++)s[c]=arguments[c];s[0]=o(s[0],"cb-",i,null,!1),s[1]=o(s[1],"cb-",i,null,!1);const d=n.apply(this,s);return i.nextPromise=d,t.emit("propagate",[e,!0],d,!1,!1),d},a.prototype.then[i]=n,t.on("executor-start",(function(e){e[0]=o(e[0],"resolve-",this,null,!1),e[1]=o(e[1],"resolve-",this,null,!1)})),t.on("executor-err",(function(e,t,r){e[1](r)})),t.on("cb-end",(function(e,r,n){t.emit("propagate",[n,!0],this.nextPromise,!1,!1)})),t.on("propagate",(function(e,r,n){this.getCtx&&!r||(this.getCtx=function(){if(e instanceof Promise)var r=t.context(e);return r&&r.getCtx?r.getCtx():this})))},t}const B={},F="setTimeout",U="setInterval",q="clearTimeout",Z="-start",G="-",V=[F,"setImmediate",U,q,"clearImmediate"];function X(e){const t=function(e){return(e|n.ee).get("timer")}(e);if(B[t.debugId]++)return t;B[t.debugId]=1;var r=s(t);return r.inPlace(f._A,V.slice(0,2),F+G),r.inPlace(f._A,V.slice(2,3),U+G),r.inPlace(f._A,V.slice(3),q+G),t.on(U+Z,(function(e,t,n){e[0]=r(e[0],"fn-",null,n)})),t.on(F+Z,(function(e,t,n){this.method=n,this.timerDuration=isNaN(e[1])?0:+e[1],e[0]=r(e[0],"fn-",this,n)})),t}var W=r(50);const Y={},Q=["open","send"];function K(e){var t=e|n.ee;const r=function(e){return(e|n.ee).get("xhr")}(t);if(Y[r.debugId]++)return r;Y[r.debugId]=1,v(t);var i=s(r),o=k.Yu.XHR,a=k.Yu.MO,c=k.Yu.PR,d=k.Yu.SI,u="readystatechange",l=["onload","onerror","onabort","onloadstart","onloadend","onprogress","ontimeout"],h=[],g=f._A.XMLHttpRequest.listeners,p=f._A.XMLHttpRequest=function(e){var t=new o(e);function n(){try{r.emit("new-xhr",[t],t),t.addEventListener(u,b,(0,0,m$)(!1))}catch(e){(0,W.Z)("An error occurred while intercepting XHR",e);try{r.emit("internal-error",[e])}catch(e){}}return this.listeners=g?[...g,n]:[n],this.listeners.forEach((e=>e()))},t};function m(e,t){i.inPlace(t,["onreadystatechange","fn-",E])}function b(){var e=this,t=r.context(e);e.readyState>3&&t.resolved&&(t.resolved=!0,r.emit("xhr-resolved",[],e)),i.inPlace(e,l,"fn-",E)}if(function(e,t){for(var r in e)t[r]=e[r]}(o,p),p.prototype=o.prototype,i.inPlace(p.prototype,Q,"-xhr-",E),r.on("send-xhr-start",(function(e,t){m(e,t),function(e){h.push(e),a&&(y?y.then(A):d?d(A):(w=-w,x.data=w)})(t)})),r.on("open-xhr-start",m),a){var y=c&&c.resolve();if(!d&&!c){var w=1,x=document.createTextNode(w);new a(A).observe(x,{characterData:!0})}}else t.on("fn-end",(function(e){e[0]&&e[0].type===u|A()}));function A(){for(var e=0;e<h.length;e++)m(0,h[e]);h.length&&(h=[])}function E(e,t){return t}return r}},7825:(e,t,r)=>{r.d(t,{t:()=>n});const n=r(3325).D.ajax,6660:(e,t,r)=>{r.d(t,{t:()=>n});const n=r(3325).D.jserrors,3081:(e,t,r)=>{r.d(t,{gF:()=>o,mY:()=>i,t9:()=>n,vz:()=>s,xS:()=>a});const n=r(3325).D.metrics,i="sm",o="cm",a="storeSupportabilityMetrics",s="storeEventMetrics"},4649:(e,t,r)=>{r.d(t,{t:()=>n});const n=r(3325).D.pa

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geAction},7633:(e,t,r)=>{r.d(t,{Dz:()=>i,OJ:()=>a,qw:()=>o,t9:()=>n});const n=r(332
5).D.pageViewEvent,i="firstbyte",o="domcontent",a="windowload"},9251:(e,t,r)=>{r.d
(t,{t:()=>n});const n=r(3325).D.pageViewTiming},3614:(e,t,r)=>{r.d(t,{BST_RESOURCE:
()=>i,END:()=>s,FEATURE_NAME:()=>n,FN_END:()=>d,FN_START:()=>c,PUSH_STATE:()=>u,RESO
URCE:()=>o,START:()=>a});const n=r(3325).D.sessionTrace,i="bstResource",o="resourc
e",a="-start",s="-end",c="fn"+a,d="fn"+s,u="pushState"},7836:(e,t,r)=>{r.d(t,{BODY:
()=>A,CB_END:()=>E,CB_START:()=>d,END:()=>x,FEATURE_NAME:()=>i,FETCH:()=>_,FETCH_BOD
Y:()=>v,FETCH_DONE:()=>m,FETCH_START:()=>p,FN_END:()=>c,FN_START:()=>s,INTERACTION:
()=>f,INTERACTION_API:()=>u,INTERACTION_EVENTS:()=>o,JSONP_END:()=>b,JSONP_NODE:()=>>
g,JS_TIME:()=>T,MAX_TIMER_BUDGET:()=>a,REMAINING:()=>l,SPA_NODE:()=>h,START:()=>w,or
iginalSetTimeout:()=>y});var n=r(5763);const i=r(3325).D.spa,o=["click","submit","ke
ypress","keydown","keyup","change"],a=999,s="fn-start",c="fn-end",d="cb-start",u="ap
i-ixn-",l="remaining",f="interaction",h="spaNode",g="jsonpNode",p="fetch-start",m="f
etch-done",v="fetch-body-",b="jsonp-end",y=n.Yu.ST,w="-start",x="-end",A="-body",E
="cb"+x,T="jsTime",_="fetch"},5938:(e,t,r)=>{r.d(t,{W:()=>o});var n=r(5763),i=r(217
7);class o{constructor(e,t,r){this.agentIdentifier=e,this.aggregator=t,this.ee=i.ee.
get(e,(0,n.OP)(this.agentIdentifier).isolatedBacklog),this.featureName=r,this.blocke
d=!1}},9144:(e,t,r)=>{r.d(t,{j:()=>m});var n=r(3325),i=r(5763),o=r(5546),a=r(2177),
s=r(7894),c=r(8e3),d=r(3960),u=r(385),l=r(50),f=r(3081),h=r(8632);function g(){const
e=(0,h.gG());["setErrorHandler","finished","addToTrace","inlineHit","addRelease","ad
dPageAction","setCurrentRouteName","setPageViewName","setCustomAttribute","interacti
on","noticeError","setUserId"].forEach((t=>{e[t]=function(){for(var r=arguments.leng
th,n=new Array(r),i=0;i<r;i++)n[i]=arguments[i];return function(t){for(var r=argumen
ts.length,n=new Array(r>1?r-1:0),i=1;i<r;i++)n[i-1]=arguments[i];let o=[];return Obj
ect.values(e.initializedAgents).forEach((e=>{e.exposed&&e.api[t]&&o.push(e.api[t]
(...n))})),o.length>1?o:o[0]}(t,...n)}))}var p=r(2587);function m(e){let t=argument
s.length>1&&void 0!==arguments[1]?arguments[1]:{},m=arguments.length>2?arguments[2]:
void 0,v=arguments.length>3?arguments[3]:void 0,{init:b,info:y,loader_config:w,runti
me:x={loaderType:m},exposed:A=!0}=t;const E=(0,h.gG());y||(b=E.init,y=E.info,w=E.loa
der_config),(0,i.Dg)(e,b|{}),(0,i.GE)(e,w|{}),y.jsAttributes?={},u.v6&&(y.jsAttri
butes.isWorker=!0),(0,i.CX)(e,y);const T=(0,i.P_)(e);x.denyList=[...T.ajax?.deny_lis
t|[],...T.ajax?.block_internal?[y.beacon,y.errorBeacon]:[]],(0,i.sU)(e,x),g();const
_=function(e,t){t|(0,c.R)(e,"api");const h={};var g=a.ee.get(e),p=g.get("tracer"),m
="api-",v=m+"ixn-";function b(t,r,n,o){const a=(0,i.C5)(e);return null===r?delete a.
jsAttributes[t]:(0,i.CX)(e,{...a,jsAttributes:{...a.jsAttributes,[t]:r}}),x(m,n,!0,o
||null===r?"session":void 0)(t,r)}function y(){["setErrorHandler","finished","addTo
Trace","inlineHit","addRelease"].forEach((e=>h[e]=x(m,e,!0,"api"))),h.addPageAction=
x(m,"addPageAction",!0,n.D.pageAction),h.setCurrentRouteName=x(m,"routeName",!0,n.D.
spa),h.setPageViewName=function(t,r){if("string"===typeof t)return"/"!==t.charAt(0)&&
(t="/"+t),(0,i.OP)(e).customTransaction=(r|"http://custom.transaction")+t,x(m,"setP
ageViewName",!0)(),h.setCustomAttribute=function(e,t){let r=arguments.length>2&&voi
d 0!==arguments[2]&&arguments[2];if("string"===typeof e){if(["string","number"].inclu
des(typeof t)||null===t)return b(e,t,"setCustomAttribute",r);(0,l.Z)("Failed to exec
ute setCustomAttribute.\nNon-null value must be a string or number type, but a type
of <".concat(typeof t,"> was provided.")}}else(0,l.Z)("Failed to execute setCustomAt
tribute.\nName must be a string type, but a type of <".concat(typeof e,"> was provid
ed.")),h.setUserId=function(e){if("string"===typeof e||null===e)return b("enduser.i
d",e,"setUserId",!0);(0,l.Z)("Failed to execute setUserId.\nNon-null value must be a
string type, but a type of <".concat(typeof e,"> was provided.")),h.interaction=fun
ction(){return(new y).get();var w=y.prototype={createTracer:function(e,t){var r={},
i=this,a="function"===typeof t;return(0,o.p)(v+"tracer",[0,s.z)(),e,r],i,n.D.spa,g),
function(){if(p.emit((a?"":"no-")+"fn-start",[0,s.z)(),i,a],r),a)try{return t.apply
(this,arguments)}catch(e){throw p.emit("fn-err",[arguments,this,e],r),e}finally{p.em
it("fn-end",[0,s.z)(),r)}}};function x(e,t,r,i){return function(){return(0,o.p)
(f.xS,["API/"+t+"/called"],void 0,n.D.metrics,g),i&&(0,o.p)(e+t,[0,s.z)(),...argume
nts],r?null:this,i,g),r?void 0:this}}function A(){r.e(439).then(r.bind(r,7438)).then

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((t=>{let{setAPI:r=t;r(e),(0,c.L)(e,"api"))}).catch((()=>(0,l.Z)("Downloading runtime APIs failed..."))})return["actionText","setName","setAttribute","save","ignore","onEnd","getContext","end","get"].forEach((e=>{w[e]=x(v,e,void 0,n.D.spa)})),h.noticeError=function(e,t){"string"==typeof e&&(e=new Error(e)),(0,o.p)(f.xS,["API/noticeError/called"],void 0,n.D.metrics,g),(0,o.p)("err",[e,(0,s.z)(),!1,t],void 0,n.D.jserrors,g)},u.il?(0,d.b)((()=>A()),!0):A(),h}(e,v);return(0,h.Qy)(e,_, "api"),(0,h.Qy)(e,A,"exposed"),(0,h.EZ)("activatedFeatures",p.T),_},3325:(e,t,r)=>{r.d(t,{D:()=>n,p:()=>i});const n={ajax:"ajax",jserrors:"jserrors",metrics:"metrics",pageAction:"page_action",pageViewEvent:"page_view_event",pageViewTiming:"page_view_timing",sessionReplay:"session_replay",sessionTrace:"session_trace",spa:"spa"},i={[n.pageViewEvent]:1,[n.pageViewTiming]:2,[n.metrics]:3,[n.jserrors]:4,[n.ajax]:5,[n.sessionTrace]:6,[n.pageAction]:7,[n.spa]:8,[n.sessionReplay]:9}},n={};function i(e){var t=n[e];if(void 0!==t)return t.exports;var o=n[e]={exports:{}};return r[e](o,o.exports,i),o.exports}i.m=r,i.d=(e,t)=>{for(var r in t)i.o(t,r)&&i.o(e,r)&&Object.defineProperty(e,r,{enumerable:!0,get:t[r]})},i.f={},i.e=e=>Promise.all(Object.keys(i.f).reduce((t,r)=>{(i.f[r](e,t),t)),[])),i.u=e=>({78:"page_action-aggregate",147:"metrics-aggregate",193:"session_trace-aggregate",242:"session-manager",317:"jserrors-aggregate",348:"page_view_timing-aggregate",412:"lazy-feature-loader",439:"async-api",538:"recorder",590:"session_replay-aggregate",675:"compressor",786:"page_view_event-aggregate",873:"spa-aggregate",898:"ajax-aggregate"}[e]|e)+"."+{78:"467f8594",147:"b86cefcf",193:"ac30a1f3",242:"d080e4cc",317:"319b8300",348:"7b2a53ee",412:"c1052c27",439:"e9f77430",538:"9c5c1546",590:"8b420469",646:"9e7a6b8d",675:"9614fd62",786:"4988d952",860:"95a91211",873:"550eec7b",898:"d95c640e"}[e]+"-1.237.1.min.js"),i.o=(e,t)=>Object.prototype.hasOwnProperty.call(e,t),e={},t="NRBA:",i.l=(r,n,o,a)=>{if(e[r])e[r].push(n);else{var s,c;if(void 0!==o)for(var d=document.getElementsByTagName("script"),u=0;u<d.length;u++){var l=d[u];if(l.getAttribute("src")==r||l.getAttribute("data-webpack")==t+o){s=l;break}}s||(c=!0,(s=document.createElement("script")).charset="utf-8",s.timeout=120,i.nc&&s.setAttribute("nonce",i.nc),s.setAttribute("data-webpack",t+o),s.src=r),e[r]=[n];var f=(t,n)=>{s.onerror=s.onload=null,clearTimeout(h);var i=e[r];if(delete e[r],s.parentNode&&s.parentNode.removeChild(s),i&&i.forEach((e=>e(n))),t)return t(n)),h=setTimeout(f.bind(null,void 0,{type:"timeout",target:s}),12e4);s.onerror=f.bind(null,s.onerror),s.onload=f.bind(null,s.onload),c&&document.head.appendChild(s)}},i.r=e=>{"undefined"!=typeof Symbol&&Symbol.toStringTag&&Object.defineProperty(e,Symbol.toStringTag,{value:"Module"}),Object.defineProperty(e,"__esModule",{value:!0})},i.j=635,i.p="https://js-agent.newrelic.com/",(()=>{var e={635:0,249:0};i.f.j=(t,r)=>{var n=i.o(e,t)?e[t]:void 0;if(0!==n)if(n)r.push(n[2]);else{var o=new Promise(((r,i)=>n=e[t]=[r,i]));r.push(n[2]=o);var a=i.p+i.u(t),s=new Error;i.l(a,(r=>{if(i.o(e,t)&&(0!==n=e[t])&&(e[t]=void 0),n)){var o=r&&("load"===r.type?"missing":r.type),a=r&&r.target&&r.target.src;s.message="Loading chunk "+t+" failed.\n("+o+": "+a+")",s.name="ChunkLoadError",s.type=o,s.request=a,n[1](s)}),"chunk-"+t,t)});var t=(t,r)=>{var n,o,[a,s,c]=r,d=0;if(a.some((t=>0!==e[t]))){for(n in s)i.o(s,n)&&(i.m[n]=s[n]);if(c)c(i)}for(t&&t(r);d<a.length;d++)o=a[d],i.o(e,o)&&e[o]&&e[o][0](),e[o]=0},r=window.webpackChunkNRBA=window.webpackChunkNRBA||[];r.forEach(t.bind(null,0)),r.push=t.bind(null,r.push.bind(r))})();var o={};(()=>{i.r(o);var e=i(50);class t{addPageAction(t,r){(0,e.Z)("Call to agent api addPageAction failed. The session trace feature is not currently initialized.")}setPageViewName(t,r){(0,e.Z)("Call to agent api setPageViewName failed. The page view feature is not currently initialized.")}setCustomAttribute(t,r,n){(0,e.Z)("Call to agent api setCustomAttribute failed. The js errors feature is not currently initialized.")}noticeError(t,r){(0,e.Z)("Call to agent api noticeError failed. The js errors feature is not currently initialized.")}setUserId(t){(0,e.Z)("Call to agent api setUserId failed. The js errors feature is not currently initialized.")}setErrorHandler(t){(0,e.Z)("Call to agent api setErrorHandler failed. The js errors feature is not currently initialized.")}finished(t){(0,e.Z)("Call to agent api finished failed. The page action feature is not currently initialized.")}addRelease(t,r){(0,e.Z)("Call to agent api addRelease failed. The agent is not currently initialized.")}}var r=i(3325),n=i(5763);const a=Object.values(r.D);fun

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ction s(e){const t={};return a.forEach((r=>{t[r]=function(e,t){return!1!==(0,n.Mt)
(t,"".concat(e,".enabled"))}(r,e)}),t)var c=i(9144);var d=i(5546),u=i(385),l=i(8e
3),f=i(5938),h=i(3960);class g extends f.W{constructor(e,t,r){let n=(arguments.leng
th>3&&void 0!==(arguments[3])||arguments[3];super(e,t,r),this.auto=n,this.abortHandle
r,this.feateAggregate,this.onAggregateImported,n&&(0,l.R)(e,r)}importAggregator(){let
t=arguments.length>0&&void 0!==(arguments[0]?arguments[0]:{});if(this.feateAggregate||
this.auto)return;const r=u.il&&!0!==(0,n.Mt)(this.agentIdentifier,"privacy.cookies_e
nabled");let o;this.onAggregateImported=new Promise((e=>{o=e}));const a=async()->{le
t n;try{if(r){const{setupAgentSession:e}=await Promise.all([i.e(860),i.e(242)]).then
(i.bind(i,3228));n=e(this.agentIdentifier)}}catch(t){(0,e.Z)("A problem occurred whe
n starting up session manager. This page will not start or extend any session.",t)}t
ry{if(!this.shouldImportAgg(this.featureName,n))return(0,l.L)(this.agentIdentifier,t
his.featureName),void o(!1);const{lazyFeatureLoader:e}=await i.e(412).then(i.bind(i,
8582)),{Aggregate:r}=await e(this.featureName,"aggregate");this.feateAggregate=new r
(this.agentIdentifier,this.aggregator,t),o(!0)}catch(t){(0,e.Z)("Downloading and ini
tializing ".concat(this.featureName," failed..."),t),this.abortHandler?.(),o(!1)}};
u.il?(0,h.b)((()->a()),!0):a()}shouldImportAgg(e,t){return e!==(r.D.sessionReplay||!!
n.Yu.MO&&(!1!==(0,n.Mt)(this.agentIdentifier,"session_trace.enabled")&&(!t?.isNew|
!t?.state.sessionReplay)))}var p=i(7633),m=i(7894);class v extends g{static featur
eName=p.t9;constructor(e,t){let i=(arguments.length>2&&void 0!==(arguments[2])||argu
ments[2];if(super(e,t,p.t9,i),("undefined"==typeof PerformanceNavigationTiming||u.T
t)&&"undefined"!=typeof PerformanceTiming){const t=(0,n.OP)(e);t[p.Dz]=Math.max(Dat
e.now()-t.offset,0),(0,h.K)((()->t[p.qw]=Math.max((0,m.z)()-t[p.Dz],0))),((0,h.b)((()-
=>{const e=(0,m.z)();t[p.OJ]=Math.max(e-t[p.Dz],0),(0,d.p)("timing",["load",e],void
0,r.D.pageViewTiming,this.tee)}))}this.importAggregator()}var b=i(1117),y=i(1284);cl
ass w extends b.w{constructor(e){super(e),this.aggregatedData={}}store(e,t,r,n,i){va
r o=this.getBucket(e,t,r,i);return o.metrics=function(e,t){t||(t={count:0});return
t.count+=1,(0,y.D)(e,(function(e,r){t[e]=x(r,t[e]))},t)(n,o.metrics),o)merge(e,t,r,
n,i){var o=this.getBucket(e,t,n,i);if(o.metrics){var a=o.metrics;a.count+=r.count,
(0,y.D)(r,(function(e,t){if("count"!==e){var n=a[e],i=r[e];i&&!i.c?a[e]=x(i,t,n):a
[e]=function(e,t){if(!t)return e;t.c||(t=A(t,t));return t.min=Math.min(e.min,t.min),
t.max=Math.max(e.max,t.max),t.t+=e.t,t.sos+=e.sos,t.c+=e.c,t}(i,a[e]))}})else o.met
rics=r}storeMetric(e,t,r,n){var i=this.getBucket(e,t,r);return i.stats=x(n,i.stats),
i}getBucket(e,t,r,n){this.aggregatedData[e]||(this.aggregatedData[e]={});var i=this.
aggregatedData[e][t];return i||(i=this.aggregatedData[e][t]={params:r||{}},n&&(i.cus
tom=n)),i}get(e,t){return t?this.aggregatedData[e]&&this.aggregatedData[e][t]:this.a
ggregatedData[e]}take(e){for(var t={},r="",n=!1,i=0;i<e.length;i++)t[r=e[i]]=E(this.
aggregatedData[r]),t[r].length&&(n=!0),delete this.aggregatedData[r];return n?t:nul
l}}function x(e,t){return null==e?function(e){e?e.c++:e={c:1};return e}(t):t?(t.c||
(t=A(t,t)),t.c+=1,t.t+=e,t.sos+=e*e,e>t.max&&(t.max=e),e<t.min&&(t.min=e),t):{t:e}}f
unction A(e){return{t:e,min:e,max:e,sos:e*e,c:1}}function E(e){return"object"!=typeo
f e?[]:(0,y.D)(e,T)}function T(e,t){return t}var _=i(8632),j=i(4402),D=i(4351);var C
=i(7956),N=i(3239),S=i(9251);class O extends g{static featureName=S.t;constructor(e,
t){let r=(arguments.length>2&&void 0!==(arguments[2])||arguments[2];super(e,t,S.t,
r),u.il&&(0,n.OP)(e).initHidden=Boolean("hidden"===document.visibilityState),(0,C.
N)((()->(0,d.p)("docHidden",[(0,m.z)()],void 0,S.t,this.tee)),!0),(0,N.bP)("pagehid
e",((()->(0,d.p)("winPagehide",[(0,m.z)()],void 0,S.t,this.tee))),this.importAggregato
r())}var P=i(3081);class R extends g{static featureName=P.t9;constructor(e,t){let r
=(arguments.length>2&&void 0!==(arguments[2])||arguments[2];super(e,t,P.t9,r),this.i
mportAggregator()}var I=i(6660);class k{constructor(e,t,r,n){this.name="UncaughtErr
or",this.message=e,this.sourceURL=t,this.line=r,this.column=n}}class H extends g{sta
tic featureName=I.t;#e=new Set;constructor(e,t){let n=(arguments.length>2&&void 0!=
=arguments[2])||arguments[2];super(e,t,I.t,n);try{this.removeOnAbort=new AbortContro
ller}catch(e){}this.tee.on("fn-err",((e,t,n)->{this.abortHandler&&!this.#e.has(n)&&(t
his.#e.add(n),(0,d.p)("err",[this.#t(n),(0,m.z)()],void 0,r.D.jserrors,this.tee)})),
this.tee.on("internal-error",e=>{this.abortHandler&&(0,d.p)("ierr",[this.#t(e),(0,m.

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z()),!0],void 0,r.D.jserrors,this.ee)})),u._A.addEventListener("unhandledrejection",
(e=>{this.abortHandler&&(0,d.p)("err",[this.#r(e),(0,m.z()),!1,{unhandledPromiseReje
ction:1}],void 0,r.D.jserrors,this.ee)}),(0,N.m$)(!1,this.removeOnAbort?.signal)),u.
_A.addEventListener("error",(e=>{this.abortHandler&&(this.#e.has(e.error)?this.#e.de
lete(e.error):(0,d.p)("err",[this.#n(e),(0,m.z())],void 0,r.D.jserrors,this.ee)})),
(0,N.m$)(!1,this.removeOnAbort?.signal)),this.abortHandler=this.#i,this.importAggreg
ator()}#i(){this.removeOnAbort?.abort(),this.#e.clear(),this.abortHandler=void 0}#t
(e){return e instanceof Error?e:void 0!==(e?.message?new k(e.message,e.filename||e.so
urceURL,e.lineno||e.line,e.colno||e.col):new k("string"==typeof e?(0,D.P)(e))}#r
(e){let t="Unhandled Promise Rejection: ";if(e?.reason instanceof Error)try{return
e.reason.message=t+e.reason.message,e.reason}catch(t){return e.reason}if(void 0===e.
reason)return new k(t);const r=this.#t(e.reason);return r.message=t+r.message,r}#n
(e){return e.error instanceof Error?e.error:new k(e.message,e.filename,e.lineno,e.co
lno)}}var z=i(2210);let L=1;const M="nr@id";function B(e){const t=typeof e;return!e|
|"object"!==t&&"function"!==t?-1:e===u._A?0:(0,z.X)(e,M,(function(){return L++}))}fu
nction F(e){if("string"==typeof e&&e.length)return e.length;if("object"==typeof e){i
f("undefined"!==typeof ArrayBuffer&&e instanceof ArrayBuffer&&e.byteLength)return e.b
yteLength;if("undefined"!==typeof Blob&&e instanceof Blob&&e.size)return e.size;if(!
("undefined"!==typeof FormData&&e instanceof FormData))try{return(0,D.P)(e).length}ca
tch(e){return}}}var U=i(1214),q=i(7243);class Z{constructor(e){this.agentIdentifier=
e,this.generateTracePayload=this.generateTracePayload.bind(this),this.shouldGenerate
Trace=this.shouldGenerateTrace.bind(this)}generateTracePayload(e){if(!this.shouldGen
erateTrace(e))return null;var t=(0,n.DL)(this.agentIdentifier);if(!t)return null;var
r=(t.accountID||"").toString()||null,i=(t.agentID||"").toString()||null,o=(t.trustKe
y||"").toString()||null;if(!r||!i)return null;var a=(0,j.M)(),s=(0,j.Ht)(),c=Date.no
w(),d={spanId:a,traceId:s,timestamp:c};return(e.sameOrigin||this.isAllowedOrigin(e)&
&this.useTraceContextHeadersForCors())&&(d.traceContextParentHeader=this.generateTra
ceContextParentHeader(a,s),d.traceContextStateHeader=this.generateTraceContextStateH
eader(a,c,r,i,o)),(e.sameOrigin&&!this.excludeNewrelicHeader()||!e.sameOrigin&&this.
isAllowedOrigin(e)&&this.useNewrelicHeaderForCors())&&(d.newrelicHeader=this.generat
eTraceHeader(a,s,c,r,i,o),d)}generateTraceContextParentHeader(e,t){return"00-"+t+"-
"+e+"-01"}generateTraceContextStateHeader(e,t,r,n,i){return i+"@nr=0-1-"+r+"-"+n+"-
"+e+"----"+t}generateTraceHeader(e,t,r,n,i,o){if(!("function"==typeof u._A?.btoa))re
turn null;var a={v:[0,1],d:{ty:"Browser",ac:n,ap:i,id:e,tr:t,ti:r}};return o&&n!==(o&
&(a.d.tk=o),btoa((0,D.P)(a)))}shouldGenerateTrace(e){return this.isDtEnabled()&&this.
isAllowedOrigin(e)}isAllowedOrigin(e){var t=!1,r={};if((0,n.Mt)(this.agentIdentifie
r,"distributed_tracing")&&(r=(0,n.P_)(this.agentIdentifier).distributed_tracing),e.s
ameOrigin)t=!0;else if(r.allowed_origins instanceof Array)for(var i=0;i<r.allowed_or
igins.length;i++){var o=(0,q.e)(r.allowed_origins[i]);if(e.hostname===o.hostname&&e.
protocol===o.protocol&&e.port===o.port){t=!0;break}}return t}isDtEnabled(){var e=(0,
n.Mt)(this.agentIdentifier,"distributed_tracing");return!!e&&!e.enabled}excludeNewr
elicHeader(){var e=(0,n.Mt)(this.agentIdentifier,"distributed_tracing");return!!e&
&!e.exclude_newrelic_header}useNewrelicHeaderForCors(){var e=(0,n.Mt)(this.agentIde
ntifier,"distributed_tracing");return!!e&&!1==e.cors_use_newrelic_header}useTraceCo
ntextHeadersForCors(){var e=(0,n.Mt)(this.agentIdentifier,"distributed_tracing");ret
urn!!e&&!e.cors_use_tracecontext_headers}}var G=i(7825),V=["load","error","abor
t","timeout"],X=V.length,W=n.Yu.REQ,Y=u._A.XMLHttpRequest;class Q extends g{static f
eatureName=G.t;constructor(e,t){let i=(arguments.length>2&&void 0!==arguments[2])||
arguments[2];super(e,t,G.t,i),(0,n.OP)(e).xhrWrappable&&(this.dt=new Z(e),this.handl
er=(e,t,r,n)=>(0,d.p)(e,t,r,n,this.ee),(0,U.u5)(this.ee),(0,U.Kf)(this.ee),function
(e,t,i,o){function a(e){var t=this;t.totalCbs=0,t.called=0,t.cbTime=0,t.end=E,t.ende
d=!1,t.xhrGuids={},t.lastSize=null,t.loadCaptureCalled=!1,t.params=this.params||{},
t.metrics=this.metrics||{}},e.addEventListener("load",(function(r){_(t,e)}),(0,N.m$)
(!1)),u.IF||e.addEventListener("progress",(function(e){t.lastSize=e.loaded}),(0,N.m
$)(!1))}function s(e){this.params={method:e[0]},T(this,e[1]),this.metrics={}}functio
n c(t,r){var i=(0,n.DL)(e);i.xpid&&this.sameOrigin&&r.setRequestHeader("X-NewRelic-I

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D",i.xpid);var a=o.generateTracePayload(this.parsedOrigin);if(a){var s=!1;a.newrelic
Header&&(r.setRequestHeader("newrelic",a.newrelicHeader),s=!0),a.traceContextParentH
eader&&(r.setRequestHeader("traceparent",a.traceContextParentHeader),a.traceContextS
tateHeader&&r.setRequestHeader("tracestate",a.traceContextStateHeader),s=!0),s&&(thi
s.dt=a)}}function d(e,r){var n=this.metrics,i=e[0],o=this;if(n&&i){var a=F(i);a&&(n.
txSize=a)}this.startTime=(0,m.z()),this.listener=function(e){try{"abort"!==e.type||
o.loadCaptureCalled||(o.params.aborted=!0),("load"!==e.type||o.called===o.totalCbs&&
(o.onloadCalled||"function"!==typeof r.onload)&&"function"===typeof o.end)&&o.end(r)}c
atch(e){try{t.emit("internal-error",[e])}catch(e){}}};for(var s=0;s<X;s++)r.addEvent
Listener(V[s],this.listener,(0,N.m$)(!1))}function l(e,t,r){this.cbTime+=e,t?t.this.on
loadCalled=!0:this.called+=1,this.called!==this.totalCbs||!this.onloadCalled&&"functi
on"===typeof r.onload||"function"!==typeof this.end||this.end(r)}function f(e,t){var
r=""+"B(e)+!t;this.xhrGuids&&this.xhrGuids[r]&&(this.xhrGuids[r]=!0,this.totalCbs+=
1)}function h(e,t){var r=""+"B(e)+!t;this.xhrGuids&&this.xhrGuids[r]&&(delete this.x
hrGuids[r],this.totalCbs-=1)}function g(){this.endTime=(0,m.z())}function p(e,r){r i
nstanceof Y&&"load"===e[0]&&t.emit("xhr-load-added",[e[1],e[2]],r)}function v(e,r){r
instanceof Y&&"load"===e[0]&&t.emit("xhr-load-removed",[e[1],e[2]],r)}function b(e,
t,r){t instanceof Y&&("onload"===r&&(this.onload=!0),("load"===e[0]&&e[0].type)||thi
s.onload)&&(this.xhrCbStart=(0,m.z()))}function y(e,r){this.xhrCbStart&&t.emit("xh
r-cb-time",[(0,m.z())-this.xhrCbStart,this.onload,r],r)}function w(e){var t,r=e[1]||
{};"string"===typeof e[0]?t=e[0]:e[0]&&e[0].url?t=e[0].url:u._A?.URL&&e[0]&&e[0]insta
nceof URL&&(t=e[0].href),t&&(this.parsedOrigin=(0,q.e)(t),this.sameOrigin=this.parse
dOrigin.sameOrigin);var n=o.generateTracePayload(this.parsedOrigin);if(n&&(n.newreli
cHeader||n.traceContextParentHeader))if("string"===typeof e[0]||u._A?.URL&&e[0]&&e[0]
instanceof URL){var i={};for(var a in r)i[a]=r[a];i.headers=new Headers(r.headers||
{}),s(i.headers,n)&&(this.dt=n),e.length>1?e[1]=i:e.push(i)}else e[0]&&e[0].headers&
&s(e[0].headers,n)&&(this.dt=n);function s(e,t){var r=!1;return t.newrelicHeader&&
(e.set("newrelic",t.newrelicHeader),r=!0),t.traceContextParentHeader&&(e.set("tracep
arent",t.traceContextParentHeader),t.traceContextStateHeader&&e.set("tracestate",t.t
raceContextStateHeader),r=!0),r}}function x(e,t){this.params={},this.metrics={},thi
s.startTime=(0,m.z()),this.dt=t,e.length>=1&&(this.target=e[0]),e.length>=2&&(this.o
pts=e[1]);var r,n=this.opts||{},i=this.target;"string"===typeof i?r=i:"object"===typeo
f i&&i instanceof W?r=i.url:u._A?.URL&&"object"===typeof i&&i instanceof URL&&(r=i.hr
ef),T(this,r);var o=""+"(i&&i instanceof W&&i.method||n.method||"GET")".toUpperCase
();this.params.method=o,this.txSize=F(n.body)||0}function A(e,t){var n;this.endTime=
(0,m.z()),this.params||(this.params={}),this.params.status=t?t.status:0,"string"===ty
peof this.rxSize&&this.rxSize.length>0&&(n+=this.rxSize);var o={txSize:this.txSize,r
xSize:n,duration:(0,m.z())-this.startTime};i("xhr",[this.params,o,this.startTime,thi
s.endTime,"fetch"],this,r.D.ajax)}function E(e){var t=this.params,n=this.metrics;if
(!this.ended){this.ended=!0;for(var o=0;o<X;o++)e.removeEventListener(V[o],this.list
ener,!1);t.aborted||(n.duration=(0,m.z())-this.startTime,this.loadCaptureCalled||4!
==e.readyState?null==t.status&&(t.status=0):_(this,e),n.cbTime=this.cbTime,i("xhr",
[t,n,this.startTime,this.endTime,"xhr"],this,r.D.ajax))}function T(e,t){var r=(0,q.
e)(t),n=e.params;n.hostname=r.hostname,n.port=r.port,n.protocol=r.protocol,n.host=r.
hostname+": "+r.port,n.pathname=r.pathname,e.parsedOrigin=r,e.sameOrigin=r.sameOrigi
n}function _(e,t){e.params.status=t.status;var r=function(e,t){var r=e.responseType;
return"json"===r&&null!==t?t:"arraybuffer"===r||"blob"===r||"json"===r?F(e.respons
e):"text"===r||""===r||void 0===r?F(e.responseText):void 0}(t,e.lastSize);if(r&&(e.m
etrics.rxSize=r),e.sameOrigin){var n=t.getResponseHeader("X-NewRelic-App-Data");n&&
(e.params.cat=n.split(", ").pop())}e.loadCaptureCalled=!0}t.on("new-xhr",a),t.on("op
en-xhr-start",s),t.on("open-xhr-end",c),t.on("send-xhr-start",d),t.on("xhr-cb-time",
l),t.on("xhr-load-added",f),t.on("xhr-load-removed",h),t.on("xhr-resolved",g),t.on
("addEventListener-end",p),t.on("removeEventListener-end",v),t.on("fn-end",y),t.on
("fetch-before-start",w),t.on("fetch-start",x),t.on("fn-start",b),t.on("fetch-done",
A)}(e,this.ee,this.handler,this.dt),this.importAggregator())}}var K=i(3614);const{BS
T_RESOURCE:J,RESOURCE:ee,START:te,END:re,FEATURE_NAME:ne,FN_END:ie,FN_START:oe,PUSH_

```



```

STATE:ae}=K;var se=i(7836);const{FEATURE_NAME:ce,START:de,END:ue,BODY:le,CB_END:fe,J
S_TIME:he,FETCH:ge,FN_START:pe,CB_START:me,FN_END:ve}=se;var be=i(4649);class ye ext
ends g{static featureName=be.t;constructor(e,t){let r=!(arguments.length>2&&void 0!=
=arguments[2])||arguments[2];super(e,t,be.t,r),this.importAggregator()}}new class ex
tends t{constructor(t){let r=arguments.length>1&&void 0!==arguments[1]?arguments[1]:
(0,j.ky)(16);super(),u._A?(this.agentIdentifier=r,this.sharedAggregator=new w({agent
Identifier:this.agentIdentifier}),this.features={},this.desiredFeatures=new Set(t.fe
atures||[]),this.desiredFeatures.add(v),Object.assign(this,(0,c.j)(this.agentIdentif
ier,t,t.loaderType||"agent")),this.start():{(0,e.Z)("Failed to initial the agent. Co
uld not determine the runtime environment.')}}"get config(){return{info:(0,n.C5)(this.
agentIdentifier),init:(0,n.P_)(this.agentIdentifier),loader_config:(0,n.DL)(this.agen
tIdentifier),runtime:(0,n.OP)(this.agentIdentifier)}}start(){const t="features";try
{const n=s(this.agentIdentifier),i=[...this.desiredFeatures];i.sort(((e,t)=>r.p[e.fe
atureName]-r.p[t.featureName])),i.forEach((t=>{if(n[t.featureName]||t.featureName===
r.D.pageViewEvent){const i=function(e){switch(e){case r.D.ajax:return[r.D.jserrors];
case r.D.sessionTrace:return[r.D.ajax,r.D.pageViewEvent];case r.D.sessionReplay:retu
rn[r.D.sessionTrace];case r.D.pageViewTiming:return[r.D.pageViewEvent];default:retur
n[]}}(t.featureName);i.every((e=>n[e]))||(0,e.Z)("".concat(t.featureName," is enable
d but one or more dependent features has been disabled (").concat((0,D.P)(i),"). Thi
s may cause unintended consequences or missing data...")),this.features[t.featureNam
e]=new t(this.agentIdentifier,this.sharedAggregator)}}),{(0,_Qy)(this.agentIdentifi
er,this.features,t)}catch(r){(0,e.Z)("Failed to initialize all enabled instrument cl
asses (agent aborted) -",r);for(const e in this.features)this.features[e].abortHandl
er?().();const n=(0,_fP)();return delete n.initializedAgents[this.agentIdentifier]?a
pi,delete n.initializedAgents[this.agentIdentifier]?.[t],delete this.sharedAggregato
r,n.tee?.abort(),delete n.tee?.get(this.agentIdentifier,!1)}addToTrace(t){(0,e.Z)("Ca
ll to agent api addToTrace failed. The page action feature is not currently initiali
zed.')}}"setCurrentRouteName(t){(0,e.Z)("Call to agent api setCurrentRouteName failed.
The spa feature is not currently initialized.')}}"interaction(){(0,e.Z)("Call to agent
api interaction failed. The spa feature is not currently initialized.')}}"features:
[Q,v,0,class extends g{static featureName=ne;constructor(e,t){if(super(e,t,ne,!argu
ments.length>2&&void 0!==arguments[2])||arguments[2]),!u.il)return;const n=this.tee;l
et i;(0,U.QU)(n),this.eventsEE=(0,U.em)(n),this.eventsEE.on(oe,(function(e,t){this.b
stStart=(0,m.z)()})),this.eventsEE.on(ie,(function(e,t){(0,d.p)("bst",[e[0],t,this.b
stStart,(0,m.z)()],void 0,r.D.sessionTrace,n)})),n.on(ae+te,(function(e){this.time=
(0,m.z)(),this.startPath=location.pathname+location.hash})),n.on(ae+re,(function(e)
{(0,d.p)("bstHist",[location.pathname+location.hash,this.startPath,this.time],void
0,r.D.sessionTrace,n)}));try{i=new PerformanceObserver((e=>{const t=e.getEntries();
(0,d.p)(J,[t],void 0,r.D.sessionTrace,n)})),i.observe({type:ee,buffered:!0})}catch
(e){}this.importAggregator({resourceObserver:i})}},R,ye,H,class extends g{static fea
tureName=ce;constructor(e,t){if(super(e,t,ce,!arguments.length>2&&void 0!==argument
s[2])||arguments[2]),!u.il)return;if(!(0,n.OP)(e).xhrWrappable)return;try{this.remov
eOnAbort=new AbortController}catch(e){}let r,i=0;const o=this.tee.get("tracer"),a=(0,
U._L)(this.tee),s=(0,U.Lg)(this.tee),c=(0,U.BV)(this.tee),d=(0,U.Kf)(this.tee),l=this.
tee.get("events"),f=(0,U.u5)(this.tee),h=(0,U.QU)(this.tee),g=(0,U.Gm)(this.tee);function
p(e,t){h.emit("newURL",[""+window.location,t])}function v(){i++,r=window.location.ha
sh,this[pe]=(0,m.z)()}function b(){i--,window.location.hash!=r&&p(0,!0);var e=(0,m.
z)();this[he]=~~this[he]+e-this[pe],this[ve]=e}function y(e,t){e.on(t,(function(){th
is[t]=(0,m.z)()}))}this.tee.on(pe,v),s.on(me,v),a.on(me,v),this.tee.on(ve,b),s.on(fe,
b),a.on(fe,b),this.tee.buffer([pe,ve,"xhr-resolved"],this.featureName),l.buffer([pe],
this.featureName),c.buffer(["setTimeout"+ue,"clearTimeout"+de,pe],this.featureName),
d.buffer([pe,"new-xhr","send-xhr"+de],this.featureName),f.buffer([ge+de,ge+"-done",g
e+le+de,ge+le+ue],this.featureName),h.buffer(["newURL"],this.featureName),g.buffer
([pe],this.featureName),s.buffer(["propagate",me,fe,"executor-err","resolve"+de],thi
s.featureName),o.buffer([pe,"no-"+pe],this.featureName),a.buffer(["new-jsonp","cb-st
art","jsonp-error","jsonp-end"],this.featureName),y(f,ge+de),y(f,ge+"-done"),y(a,"ne

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w-jsonp"),y(a,"jsonp-end"),y(a,"cb-start"),h.on("pushState-end",p),h.on("replaceState-end",p),window.addEventListener("hashchange",p,(0,N.m$)(!0,this.removeOnAbort?.signal)),window.addEventListener("load",p,(0,N.m$)(!0,this.removeOnAbort?.signal)),window.addEventListener("popstate",(function(){p(0,i>1)}),(0,N.m$)(!0,this.removeOnAbort?.signal)),this.abortHandler=this.#i,this.importAggregator()#i(){this.removeOnAbort?.abort(),this.abortHandler=void 0}}],loaderType:"spa"}))(),window.NRBA=o}}());
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  window._uxa.push(['setPIISelectors', {
    // DOM elements to be asked
    Attributes: [
      {
        selector: "input#enq-email,input#enq-first-name,input#enq-last-name,input#enq-company,input#enq-company,input#enq-job-title",

        attrName: 'id' // Attribute name u want to mask
      }
    ]
  }]);
</script>
<script>
  (function (html) {
    html.className = html.className.replace(/bno-js\b/, 'js');
  })(document.documentElement);
</script>
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</script>
<script type="text/javascript">
  function OptanonWrapper() { }
</script>
<!-- OneTrust Cookies Consent Notice end for packaging-gateway.com -->
<!-- This site is optimized with the Yoast SEO Premium plugin v20.8 (Yoast SEO v20.8) - https://yoast.com/wordpress/plugins/seo/ -->
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  Are the top five FMCG companies leading the way on circularity?

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</title>
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              "Ryan Ellington",
              "sustainability",
              "The Coca-Cola Co."
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img.emoji {
display: inline !important;
border: none !important;
box-shadow: none !important;
height: 1em !important;
width: 1em !important;
margin: 0 0.07em !important;
vertical-align: -0.1em !important;
background: none !important;
padding: 0 !important;
}
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css"/>
<style id="global-styles-inline-css" type="text/css">
body{--wp--preset--color--black: #000000;--wp--preset--color--cyan-bluish-gray: #
abb8c3;--wp--preset--color--white: #ffffff;--wp--preset--color--pale-pink: #f78da7;
--wp--preset--color--vivid-red: #cf2e2e;--wp--preset--color--luminous-vivid-orange: #
ff6900;--wp--preset--color--luminous-vivid-amber: #fcb900;--wp--preset--color--light
-green-cyan: #7bdcb5;--wp--preset--color--vivid-green-cyan: #00d084;--wp--preset--co
lor--pale-cyan-blue: #8ed1fc;--wp--preset--color--vivid-cyan-blue: #0693e3;--wp--pre
set--color--vivid-purple: #9b51e0;--wp--preset--color--thb-accent: #f74a2e;--wp--pre

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```

set--gradient--vivid-cyan-blue-to-vivid-purple: linear-gradient(135deg,rgba(6,147,22
7,1) 0%,rgb(155,81,224) 100%);--wp--preset--gradient--light-green-cyan-to-vivid-gree
n-cyan: linear-gradient(135deg,rgb(122,220,180) 0%,rgb(0,208,130) 100%);--wp--preset
--gradient--luminous-vivid-amber-to-luminous-vivid-orange: linear-gradient(135deg,rg
ba(252,185,0,1) 0%,rgba(255,105,0,1) 100%);--wp--preset--gradient--luminous-vivid-or
ange-to-vivid-red: linear-gradient(135deg,rgba(255,105,0,1) 0%,rgb(207,46,46) 100%);
--wp--preset--gradient--very-light-gray-to-cyan-bluish-gray: linear-gradient(135deg,
rgb(238,238,238) 0%,rgb(169,184,195) 100%);--wp--preset--gradient--cool-to-warm-spec
trum: linear-gradient(135deg,rgb(74,234,220) 0%,rgb(151,120,209) 20%,rgb(207,42,186)
40%,rgb(238,44,130) 60%,rgb(251,105,98) 80%,rgb(254,248,76) 100%);--wp--preset--grad
ient--blush-light-purple: linear-gradient(135deg,rgb(255,206,236) 0%,rgb(152,150,24
0) 100%);--wp--preset--gradient--blush-bordeaux: linear-gradient(135deg,rgb(254,205,
165) 0%,rgb(254,45,45) 50%,rgb(107,0,62) 100%);--wp--preset--gradient--luminous-dus
k: linear-gradient(135deg,rgb(255,203,112) 0%,rgb(199,81,192) 50%,rgb(65,88,208) 10
0%);--wp--preset--gradient--pale-ocean: linear-gradient(135deg,rgb(255,245,203) 0%,r
gb(182,227,212) 50%,rgb(51,167,181) 100%);--wp--preset--gradient--electric-grass: li
near-gradient(135deg,rgb(202,248,128) 0%,rgb(113,206,126) 100%);--wp--preset--gradie
nt--midnight: linear-gradient(135deg,rgb(2,3,129) 0%,rgb(40,116,252) 100%);--wp--pre
set--duotone--dark-grayscale: url('#wp-duotone-dark-grayscale');--wp--preset--duoton
e--grayscale: url('#wp-duotone-grayscale');--wp--preset--duotone--purple-yellow: url
('#wp-duotone-purple-yellow');--wp--preset--duotone--blue-red: url('#wp-duotone-blue
-red');--wp--preset--duotone--midnight: url('#wp-duotone-midnight');--wp--preset--du
otone--magenta-yellow: url('#wp-duotone-magenta-yellow');--wp--preset--duotone--purp
le-green: url('#wp-duotone-purple-green');--wp--preset--duotone--blue-orange: url('#
wp-duotone-blue-orange');--wp--preset--font-size--small: 13px;--wp--preset--font-siz
e--medium: 20px;--wp--preset--font-size--large: 36px;--wp--preset--font-size--x-larg
e: 42px;--wp--preset--spacing--20: 0.44rem;--wp--preset--spacing--30: 0.67rem;--wp--
preset--spacing--40: 1rem;--wp--preset--spacing--50: 1.5rem;--wp--preset--spacing--6
0: 2.25rem;--wp--preset--spacing--70: 3.38rem;--wp--preset--spacing--80: 5.06rem;--w
p--preset--shadow--natural: 6px 6px 9px rgba(0, 0, 0, 0.2);--wp--preset--shadow--dee
p: 12px 12px 50px rgba(0, 0, 0, 0.4);--wp--preset--shadow--sharp: 6px 6px 0px rgba
(0, 0, 0, 0.2);--wp--preset--shadow--outlined: 6px 6px 0px -3px rgba(255, 255, 255,
1), 6px 6px rgba(0, 0, 0, 1);--wp--preset--shadow--crisp: 6px 6px 0px rgba(0, 0, 0,
1);}:where(.is-layout-flex){gap: 0.5em;}body .is-layout-flow > .alignleft{float: lef
t;margin-inline-start: 0;margin-inline-end: 2em;}body .is-layout-flow > .alignright
{float: right;margin-inline-start: 2em;margin-inline-end: 0;}body .is-layout-flow >
.aligncenter{margin-left: auto !important;margin-right: auto !important;}body .is-la
yout-constrained > .alignleft{float: left;margin-inline-start: 0;margin-inline-end:
2em;}body .is-layout-constrained > .alignright{float: right;margin-inline-start: 2e
m;margin-inline-end: 0;}body .is-layout-constrained > .aligncenter{margin-left: auto
!important;margin-right: auto !important;}body .is-layout-constrained > :where(:not
(.alignleft):not(.alignright):not(.alignfull)){max-width: var(--wp--style--global--c
ontent-size);margin-left: auto !important;margin-right: auto !important;}body .is-la
yout-constrained > .alignwide{max-width: var(--wp--style--global--wide-size);}body .
is-layout-flex{display: flex;}body .is-layout-flex{flex-wrap: wrap;align-items: cent
er;}body .is-layout-flex > *{margin: 0;}:where(.wp-block-columns.is-layout-flex){ga
p: 2em;}.has-black-color{color: var(--wp--preset--color--black) !important;}.has-cya
n-bluish-gray-color{color: var(--wp--preset--color--cyan-bluish-gray) !important;}.h
as-white-color{color: var(--wp--preset--color--white) !important;}.has-pale-pink-col
or{color: var(--wp--preset--color--pale-pink) !important;}.has-vivid-red-color{colo
r: var(--wp--preset--color--vivid-red) !important;}.has-luminous-vivid-orange-color
{color: var(--wp--preset--color--luminous-vivid-orange) !important;}.has-luminous-vi
vid-amber-color{color: var(--wp--preset--color--luminous-vivid-amber) !important;}.h
as-light-green-cyan-color{color: var(--wp--preset--color--light-green-cyan) !importa
nt;}.has-vivid-green-cyan-color{color: var(--wp--preset--color--vivid-green-cyan) !i
mportant;}.has-pale-cyan-blue-color{color: var(--wp--preset--color--pale-cyan-blue)

```

```

!important;}.has-vivid-cyan-blue-color{color: var(--wp--preset--color--vivid-cyan-bl
ue) !important;}.has-vivid-purple-color{color: var(--wp--preset--color--vivid-purpl
e) !important;}.has-black-background-color{background-color: var(--wp--preset--color
--black) !important;}.has-cyan-bluish-gray-background-color{background-color: var(--
wp--preset--color--cyan-bluish-gray) !important;}.has-white-background-color{backgro
und-color: var(--wp--preset--color--white) !important;}.has-pale-pink-background-col
or{background-color: var(--wp--preset--color--pale-pink) !important;}.has-vivid-red-
background-color{background-color: var(--wp--preset--color--vivid-red) !important;}.
has-luminous-vivid-orange-background-color{background-color: var(--wp--preset--color
--luminous-vivid-orange) !important;}.has-luminous-vivid-amber-background-color{back
ground-color: var(--wp--preset--color--luminous-vivid-amber) !important;}.has-light-
green-cyan-background-color{background-color: var(--wp--preset--color--light-green-c
yan) !important;}.has-vivid-green-cyan-background-color{background-color: var(--wp--
preset--color--vivid-green-cyan) !important;}.has-pale-cyan-blue-background-color{ba
ckground-color: var(--wp--preset--color--pale-cyan-blue) !important;}.has-vivid-cyan
-blue-background-color{background-color: var(--wp--preset--color--vivid-cyan-blue) !
important;}.has-vivid-purple-background-color{background-color: var(--wp--preset--co
lor--vivid-purple) !important;}.has-black-border-color{border-color: var(--wp--prese
t--color--black) !important;}.has-cyan-bluish-gray-border-color{border-color: var(--
wp--preset--color--cyan-bluish-gray) !important;}.has-white-border-color{border-colo
r: var(--wp--preset--color--white) !important;}.has-pale-pink-border-color{border-co
lor: var(--wp--preset--color--pale-pink) !important;}.has-vivid-red-border-color{bor
der-color: var(--wp--preset--color--vivid-red) !important;}.has-luminous-vivid-orang
e-border-color{border-color: var(--wp--preset--color--luminous-vivid-orange) !import
ant;}.has-luminous-vivid-amber-border-color{border-color: var(--wp--preset--color--l
uminous-vivid-amber) !important;}.has-light-green-cyan-border-color{border-color: va
r(--wp--preset--color--light-green-cyan) !important;}.has-vivid-green-cyan-border-co
lor{border-color: var(--wp--preset--color--vivid-green-cyan) !important;}.has-pale-c
yan-blue-border-color{border-color: var(--wp--preset--color--pale-cyan-blue) !import
ant;}.has-vivid-cyan-blue-border-color{border-color: var(--wp--preset--color--vivid-
cyan-blue) !important;}.has-vivid-purple-border-color{border-color: var(--wp--preset
--color--vivid-purple) !important;}.has-vivid-cyan-blue-to-vivid-purple-gradient-bac
kground{background: var(--wp--preset--gradient--vivid-cyan-blue-to-vivid-purple) !im
portant;}.has-light-green-cyan-to-vivid-green-cyan-gradient-background{background: v
ar(--wp--preset--gradient--light-green-cyan-to-vivid-green-cyan) !important;}.has-lu
minous-vivid-amber-to-luminous-vivid-orange-gradient-background{background: var(--wp
--preset--gradient--luminous-vivid-amber-to-luminous-vivid-orange) !important;}.has-
luminous-vivid-orange-to-vivid-red-gradient-background{background: var(--wp--preset-
-gradient--luminous-vivid-orange-to-vivid-red) !important;}.has-very-light-gray-to-c
yan-bluish-gray-gradient-background{background: var(--wp--preset--gradient--very-lig
ht-gray-to-cyan-bluish-gray) !important;}.has-cool-to-warm-spectrum-gradient-backgro
und{background: var(--wp--preset--gradient--cool-to-warm-spectrum) !important;}.has-
blush-light-purple-gradient-background{background: var(--wp--preset--gradient--blush
-light-purple) !important;}.has-blush-bordeaux-gradient-background{background: var(-
wp--preset--gradient--blush-bordeaux) !important;}.has-luminous-dusk-gradient-backg
round{background: var(--wp--preset--gradient--luminous-dusk) !important;}.has-pale-o
cean-gradient-background{background: var(--wp--preset--gradient--pale-ocean) !import
ant;}.has-electric-grass-gradient-background{background: var(--wp--preset--gradient-
-electric-grass) !important;}.has-midnight-gradient-background{background: var(--wp-
preset--gradient--midnight) !important;}.has-small-font-size{font-size: var(--wp--p
reset--font-size--small) !important;}.has-medium-font-size{font-size: var(--wp--pres
et--font-size--medium) !important;}.has-large-font-size{font-size: var(--wp--preset
--font-size--large) !important;}.has-x-large-font-size{font-size: var(--wp--preset--f
ont-size--x-large) !important;}
.wp-block-navigation a:where(:not(.wp-element-button)){color: inherit;}
:where(.wp-block-columns.is-layout-flex){gap: 2em;}

```

```

.wp-block-pullquote{font-size: 1.5em;line-height: 1.6;}
</style>
<link href="https://www.packaging-gateway.com/wp-content/plugins/storefronts-gd/assets/css/main_NS.css?ver=1.7.5" id="main_NS-css-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/plugins/storefronts-gd/assets/vendor/swiper/swiper.css?ver=6.8.3" id="Swiper-css-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://fonts.googleapis.com/css2?family=Lora%3Aital%2Cwght%400%2C400%3B0%2C500%3B0%2C600%3B0%2C700%3B1%2C400%3B1%2C500%3B1%2C600%3B1%2C700&display=swap&ver=1" id="font-lora-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://cdn.jsdelivr.net/npm/swiper@8/swiper-bundle.min.css?ver=6.2.2" id="Swiper-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/scss/main.css?ver=1.9999995" id="gdm-b2b-main-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp/assets/css/font-awesome.min.css?ver=4.7.0" id="thb-fa-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/style.css?ver=4.6.0" id="style-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/plugins/wpsolr-pro-gd/wpsolr/pro/extensions/theme/template/facet-range/wpsolr-facet-range.css?ver=22.9" id="wpsolr-facet-range-css-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/plugins/wpsolr-pro-gd/wpsolr/pro/extensions/theme/template/facet-color-picker/wpsolr-facet-color-picker.css?ver=22.9" id="wpsolr-facet-color-picker-css-css" media="all" rel="stylesheet" type="text/css"/>
<link href="https://www.packaging-gateway.com/wp-content/plugins/tablepress/css/default.min.css?ver=1.13" id="tablepress-default-css" media="all" rel="stylesheet" type="text/css"/>
<script id="jquery-core-js" src="https://www.packaging-gateway.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.4" type="text/javascript">
</script>
<script id="jquery-migrate-js" src="https://www.packaging-gateway.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.0" type="text/javascript">
</script>
<script id="crb-google-tagmanager-js-extra" type="text/javascript">
/* <![CDATA[ */
var crbTracker = {"googleTagManager":{"id":"GTM-WPC83LX"}};
/* ]]> */
</script>
<script id="crb-google-tagmanager-js" src="https://www.packaging-gateway.com/wp-content/plugins/verdict-tracking//js/googleTagManager.js?ver=1691247175" type="text/javascript">
</script>
<script async="" id="crb-permutive-cdn-js" src="https://cdn.permutive.com/e82dc6a7-79a5-49b7-b1ed-a89a37f2fe8b-web.js?ver=6.2.2" type="text/javascript">
</script>
<script id="crb-permutive-js-extra" type="text/javascript">
/* <![CDATA[ */
var crbTracker = {"permutive":{"workspaceID":"e82dc6a7-79a5-49b7-b1ed-a89a37f2fe8b","publicAPIKey":"62905692-4299-42af-951f-aa610546b2b1","postTitle":"Are the top five FMCG companies leading the way on circularity?","postID":76591,"postType":"post","postDate":"November 29, 2022","postAuthor":"Ryan Ellington","postTags":"AB InBev, circular economy, FMCG, Nestle, PepsiCo, Procter & Gamble, Ryan Ellington, su

```

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sustainability, The Coca-Cola Co.", "postCategories": "Features", "collectDomains": "http
s:\\\\www.packaging-gateway.com\\wp-content\\plugins\\verdict-tracking\\js\\pollsI
nFrame.js", "pageViewEvent": {"company_name": "", "post_title": "Are the top five FMCG co
mpanies leading the way on circularity?", "post_id": 76591, "categories": ["Feature
s"], "tags": ["AB InBev", "circular economy", "FMCG", "Nestle", "PepsiCo", "Procter & G
amble", "Ryan Ellington", "sustainability", "The Coca-Cola Co."], "author": "Ryan Ellingto
n", "post_type": "post", "article_date": "2022-11-29T09:00:00Z", "regions": ["Europe", "Glo
bal", "North America"], "industry_taxonomy": [], "sectors": [], "report_type": ""}};
/* ]]> */
</script>
<script id="crb-permutive-js" src="https://www.packaging-gateway.com/wp-content/pl
ugins/verdict-tracking/js/permutive.js?ver=1691247175" type="text/javascript">
</script>
<script id="foundation-js" src="https://www.packaging-gateway.com/wp-content/theme
s/goodlife-wp-B2B/assets/js/foundation.min.js?ver=6.2.2" type="text/javascript">
</script>
<script id="loadmore_posts-js-extra" type="text/javascript">
/* <![CDATA[ */
var loadmore_params = {"ajaxurl": "https:\\\\www.packaging-gateway.com\\wp-admin\\adm
in-ajax.php", "posts": {"\page\": 0, "\name\": "\are-the-top-five-fmcg-companies-leading
-the-way-on-circularity\","\category_name\": "\features\","\error\": "\","\m
\": "\","\p\": 0, "\post_parent\": "\","\subpost\": "\","\subpost_id\": "\","\attachme
nt\": "\","\attachment_id\": 0, "\pagename\": "\","\page_id\": 0, "\second\": "\","\minu
te\": "\","\hour\": "\","\day\": 0, "\monthnum\": 0, "\year\": 0, "\w\": 0, "\tag\": "\","\c
at\": "\","\tag_id\": "\","\author\": "\","\author_name\": "\","\feed\": "\","\tb
\": "\","\paged\": 0, "\meta_key\": "\","\meta_value\": "\","\preview\": "\","\s
\": "\","\sentence\": "\","\title\": "\","\fields\": "\","\menu_order\": "\","\embed
\": "\","\category_in\": [], "\category__not_in\": [], "\category__and\": [], "\post__in
\": [], "\post__not_in\": [], "\post_name__in\": [], "\tag__in\": [], "\tag__not_in\": [], "\t
ag__and\": [], "\tag_slug__in\": [], "\tag_slug__and\": [], "\post_parent__in\": [], "\post_
parent__not_in\": [], "\author__in\": [], "\author__not_in\": [], "\search_columns\":
[], "\ignore_sticky_posts\": false, "\suppress_filters\": false, "\cache_results\": tru
e, "\update_post_term_cache\": true, "\update_menu_item_cache\": false, "\lazy_load_term_
meta\": true, "\update_post_meta_cache\": true, "\post_type\": "\","\posts_per_page\": 1
0, "\nopaging\": false, "\comments_per_page\": "\50\","\no_found_rows\": false, "\order
\": "\DESC\}"}, "current_page": "2", "max_page": "0"};
/* ]]> */
</script>
<script id="loadmore_posts-js" src="https://www.packaging-gateway.com/wp-content/t
hemes/goodlife-wp-B2B/assets/js/loadmoreposts.js?ver=6.2.2" type="text/javascript">
</script>
<link href="https://www.packaging-gateway.com/wp-json/" rel="https://api.w.org/">
<link href="https://www.packaging-gateway.com/wp-json/wp/v2/posts/76591" rel="alte
rnate" type="application/json">
<link href="https://www.packaging-gateway.com/xmlrpc.php?rsd" rel="EditURI" title
="RSD" type="application/rsd+xml">
<link href="https://www.packaging-gateway.com/wp-includes/wlwmanifest.xml" rel="wl
wmanifest" type="application/wlwmanifest+xml">
<meta content="WordPress 6.2.2" name="generator">
<link href="https://www.packaging-gateway.com/?p=76591" rel="shortlink">
<link href="https://www.packaging-gateway.com/wp-json/oembed/1.0/embed?url=https%3
A%2F%2Fwww.packaging-gateway.com%2Ffeatures%2Fare-the-top-five-fmcg-companies-leadin
g-the-way-on-circularity%2F" rel="alternate" type="application/json+oembed">
<link href="https://www.packaging-gateway.com/wp-json/oembed/1.0/embed?url=https%3
A%2F%2Fwww.packaging-gateway.com%2Ffeatures%2Fare-the-top-five-fmcg-companies-leadin
g-the-way-on-circularity%2F&format=xml" rel="alternate" type="text/xml+oembed">

```



```

<style id="Sgpollscstyle">
  iframe[src^="https://www.surveygizmo.eu"]{display:none!important;height:auto!important;}
</style>
<!-- Global site tag (gtag.js) - Google Analytics -->
<script async="" src="https://www.googletagmanager.com/gtag/js?id=G-HFH8RPKJ6M">
</script>
<script>
  window.dataLayer = window.dataLayer || [];
  function gtag(){dataLayer.push(arguments);}
  gtag('js', new Date());

  gtag('config', 'G-HFH8RPKJ6M');
</script>
<script src="https://www.googleoptimize.com/optimize.js?id=OPT-5D7BSTZ">
</script>
<script>
  wpsolr_globalError = [];
  window.onerror = function (msg, url, line, col, error) {
    wpsolr_globalError.push({msg: msg, url: url, line: line, error: error});
  };
</script>
<!-- BEGIN Parse.ly 2.6.1 -->
<script type="application/ld+json">
  {
    "@context": "http://schema.org",
    "@type": "NewsArticle",
    "mainEntityOfPage": {
      "@type": "WebPage",
      "@id": "http://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-way-on-circularity/"
    },
    "headline": "Are the top five FMCG companies leading the way on circularity?",
    "url": "http://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-way-on-circularity/",
    "thumbnailUrl": "https://www.packaging-gateway.com/wp-content/uploads/sites/16/2022/11/shutterstock_2085125839-150x150.jpg",
    "image": {
      "@type": "ImageObject",
      "url": "https://www.packaging-gateway.com/wp-content/uploads/sites/16/2022/11/shutterstock_2085125839-150x150.jpg"
    },
    "dateCreated": "2022-11-29T08:00:00Z",
    "datePublished": "2022-11-29T08:00:00Z",
    "dateModified": "2022-11-29T08:00:00Z",
    "articleSection": "Features",
    "author": {
      "@type": "Person",
      "name": "Ryan Ellington"
    },
    "creator": "Ryan Ellington",
    "publisher": {
      "@type": "Organization",
      "name": "Packaging Gateway",
      "logo": "http://www.packaging-gateway.com/wp-content/uploads/sites/16/2021/12/cropped-Packaging-Gateway-Favicon.png"
    },
    "keywords": ["Brands", "Package Design and Holographics", "Sustainable Packaging"],
    "Categories": "Features",
    "regions": "Europe,Global,North America",
    "tags": "AB InBev,circular economy,FMCG,Nestle,PepsiCo,Procter & Gamble,Ryan Ellington,sustainability,The Coca-Cola Co."
  }
</script>
<!-- END Parse.ly -->
<meta content="https://www.packaging-gateway.com/wp-content/uploads/sites/16/2022/11/shutterstock_2085125839.jpg" property="og:image"/>
<meta content="wordpress-plugin" name="onesignal"/>
<script>
  window.OneSignal = window.OneSignal || [];

  OneSignal.push( function() {
    OneSignal.SERVICE_WORKER_UPDATER_PATH = 'OneSignalSDKUpdaterWorker.js';
    OneSignal.SERVICE_WORKER_PATH = 'OneSignalSDKWorker.js';
    OneSignal.SERVICE_WORKER_PARAM = { scope: '/wp-content/plugins/onesignal-free-web-push-notifications/sdk_files/push/onesignal/' };
    OneSignal.setDefaultNotificationUrl("https://www.packaging-gateway.com");
  });

```

```

var oneSignal_options = {};
window._oneSignalInitOptions = oneSignal_options;

oneSignal_options['wordpress'] = true;
oneSignal_options['appId'] = '';
oneSignal_options['allowLocalhostAsSecureOrigin'] = true;
oneSignal_options['welcomeNotification'] = { };
oneSignal_options['welcomeNotification']['title'] = "";
oneSignal_options['welcomeNotification']['message'] = "";
oneSignal_options['path'] = "https://www.packaging-gateway.com/wp-content/plugins/oneSignal-free-web-push-notifications/sdk_files/";
oneSignal_options['promptOptions'] = { };
oneSignal_options['notifyButton'] = { };
oneSignal_options['notifyButton']['enable'] = true;
oneSignal_options['notifyButton']['position'] = 'bottom-right';
oneSignal_options['notifyButton']['theme'] = 'default';
oneSignal_options['notifyButton']['size'] = 'medium';
oneSignal_options['notifyButton']['showCredit'] = true;
oneSignal_options['notifyButton']['text'] = {};
    OneSignal.init(window._oneSignalInitOptions);
    });

function documentInitOneSignal() {
    var oneSignal_elements = document.getElementsByClassName("OneSignal-prompt");

    var oneSignalLinkClickHandler = function(event) { OneSignal.push(['registerForPushNotifications']); event.preventDefault(); };
    for(var i = 0; i < oneSignal_elements.length; i++)
        oneSignal_elements[i].addEventListener('click', oneSignalLinkClickHandler, false);
    }

    if (document.readyState === 'complete') {
        documentInitOneSignal();
    }
    else {
        window.addEventListener("load", function(event){
            documentInitOneSignal();
        });
    }
</script>
<link href="https://www.packaging-gateway.com/wp-content/uploads/sites/16/2021/12/cropped-Packaging-Gateway-Favicon-150x150.png" rel="icon" sizes="32x32"/>
<link href="https://www.packaging-gateway.com/wp-content/uploads/sites/16/2021/12/cropped-Packaging-Gateway-Favicon-300x300.png" rel="icon" sizes="192x192"/>
<link href="https://www.packaging-gateway.com/wp-content/uploads/sites/16/2021/12/cropped-Packaging-Gateway-Favicon-180x180.png" rel="apple-touch-icon"/>
<meta content="https://www.packaging-gateway.com/wp-content/uploads/sites/16/2021/12/cropped-Packaging-Gateway-Favicon-300x300.png" name="msapplication-TileImage"/>
<!-- Google Analytics (GA) code start -->
<script>
    (function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){
        (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o),
        m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.inse

```

```

rtBefore(a,m)
})(window,document,'script','//www.google-analytics.com/analytics.
js','ga');

ga('create', '', 'auto');
ga('send', 'pageview');
</script>
<!-- Google Analytics (GA) code end -->
<script type="text/javascript">
  piAId = '376012';
piCId = '71909';
piHostname = 'pi.pardot.com';

(function() {
  function async_load(){
    var s = document.createElement('script'); s.type = 'text/javascrip
t';
    s.src = ('https:' == document.location.protocol ? 'https://pi' : 'ht
tp://cdn') + '.pardot.com/pd.js';
    var c = document.getElementsByTagName('script')[0]; c.parentNode.ins
ertBefore(s, c);
  }
  if(window.attachEvent) { window.attachEvent('onload', async_load); }
  else { window.addEventListener('load', async_load, false); }
})();
</script>
<!-- This code is to be used on all ther sites in the network so we can track all
the sites from one GA account. Ask CJB. -->
<!-- Global site tag (gtag.js) - Google Analytics -->
<!--<script async src="https://www.googletagmanager.com/gtag/js?id=UA-3619893-46">
</script> -->
<script>
  /* window.dataLayer = window.dataLayer || [];
  function gtag(){dataLayer.push(arguments);}
  gtag('js', new Date());

  gtag('config', 'UA-3619893-46'); */
</script>
</head>
<body class="thb-boxed-off thb_ads_header_mobile_off thb-lightbox-on thb-capitalize
-off thb-dark-mode-off thb-header-style1 thb-title-underline-hover">
  <script src="https://cdnjs.cloudflare.com/ajax/libs/classie/1.0.1/classie.js">
  </script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/magnific-popup.js/1.1.0/jquer
y.magnific-popup.min.js">
  </script>
  <link href="https://cdnjs.cloudflare.com/ajax/libs/magnific-popup.js/1.1.0/magnifi
c-popup.min.css" rel="stylesheet"/>
  <link href="//cdn.jsdelivr.net/jquery.slick/1.6.0/slick.css" rel="stylesheet" type
="text/css"/>
  <script src="//cdn.jsdelivr.net/jquery.slick/1.6.0/slick.min.js" type="text/javasc
ript">
  </script>
  <!-- Top Leaderboard -->
  <!-- End Content Click Capture -->
  <!-- <div class="translate">

```

```

        <p>Switch language:</p>
    </div>

    .translate -->
    <!-- Nav -->
    <div class="stream-item ad stream-item-above-header align-center ind-desk" style
="display:none;">
        <div class="u-mb-2 header-dfp-desktop-ad" id="div-gpt-ad-6065588-1">
            <script>
                googletag.cmd.push(function() { googletag.display('div-gpt-ad-6065588-1'); });
            </script>
        </div>
    </div>
    <div class="stream-item ad stream-item-above-header align-center ind-mobile" style
="display:none;">
        <div class="u-mb-2 header-dfp-mobile-ad" id="div-gpt-ad-6065588-2">
            <script>
                googletag.cmd.push(function() { googletag.display('div-gpt-ad-6065588-2'); });
            </script>
        </div>
    </div>
    <header class="site-header" id="top">
        <div class="site-logo">
            <a href="https://www.packaging-gateway.com/">
                
            </a>
        </div>
        <div class="initials">
            <a href="https://www.packaging-gateway.com">
                PG
            </a>
        </div>
        <div class="menu-button">
            Menu
        </div>
        <div class="search-button">
            Search
        </div>
        <form action="https://www.packaging-gateway.com/s" class="search-form laptop-sear
ch" method="get" role="search">
            <input class="search-box" name="search" placeholder="Search" type="text" value
=""/>
            <input class="search-submit" type="submit"/>
        </form>
    <!-- End SearchForm -->
    <nav class="burger-menu">
        <div class="scroll">
            <form action="https://www.packaging-gateway.com/s" class="search-form" method
="get" role="search">
                <input class="search-box" name="search" placeholder="Search" type="text" value
=""/>
                <input class="search-submit" type="submit"/>
            </form>
        <!-- End SearchForm -->
    <section class="nav-block sections">
        <h2>

```

```

Sections
</h2>
<div class="menu-burger-menu-container">
  <ul class="menu" id="menu-burger-menu">
    <li class="menu-item menu-item-76382" id="menu-item-76382">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/" title="Home">
        Home
      </a>
    </li>
    <li class="menu-item menu-item-76368" id="menu-item-76368">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/news/" title="News">
        News
      </a>
    </li>
    <li class="menu-item menu-item-has-children dropdown menu-item-76383" id="me
nu-item-76383">
      <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-childr
en" data-toggle="dropdown" href="https://www.packaging-gateway.com/analysis/" title
="Analysis">
        Analysis
      </a>
      <input name="analysis" type="checkbox" value="analysis"/>
      <ul class="dropdown-menu" role="menu">
        <li class="menu-item menu-item-76380" id="menu-item-76380">
          <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/features/" title="Features">
            Features
          </a>
          <ul class="dropdown-menu" role="menu">
          </ul>
        </li>
        <li class="menu-item menu-item-76369" id="menu-item-76369">
          <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/comment/" title="Comment">
            Comment
          </a>
          <ul class="dropdown-menu" role="menu">
          </ul>
        </li>
        <li class="menu-item menu-item-76391" id="menu-item-76391">
          <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/projects-a-z/" title="Projects">
            Projects
          </a>
          <ul class="dropdown-menu" role="menu">
          </ul>
        </li>
        <li class="menu-item menu-item-has-children dropdown menu-item-76401" id="me
nu-item-76401">
          <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-childr
en" data-toggle="dropdown" href="https://www.packaging-gateway.com/sector/packagin
g/" title="Sectors">

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        Sectors
    </a>
    <input name="analysis" type="checkbox" value="analysis"/>
    <ul class="dropdown-menu" role="menu">
        <li class="menu-item menu-item-has-children dropdown menu-item-76370" id
="menu-item-76370">
            <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-chil
dren" data-toggle="dropdown" href="https://www.packaging-gateway.com/sector/equipmen
t/" title="Packaging Equipment">
                Packaging Equipment
            </a>
            <input name="analysis" type="checkbox" value="analysis"/>
            <ul class="dropdown-menu" role="menu">
                <li class="menu-item menu-item-76371" id="menu-item-76371">
                    <a href="https://www.packaging-gateway.com/sector/equipment/convertor
s/" title="Converting Equipment">
                        Converting Equipment
                    </a>
                </li>
                <li class="menu-item menu-item-76372" id="menu-item-76372">
                    <a href="https://www.packaging-gateway.com/sector/equipment/packers-fil
lers/" title="Fill / Seal, Cup / Tub / Tray">
                        Fill / Seal, Cup / Tub / Tray
                    </a>
                </li>
            </ul>
        </li>
        <li class="menu-item menu-item-has-children dropdown menu-item-76373" id
="menu-item-76373">
            <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-chil
dren" data-toggle="dropdown" href="https://www.packaging-gateway.com/sector/speciali
zed-packaging/" title="Specialised Packaging">
                Specialised Packaging
            </a>
            <input name="analysis" type="checkbox" value="analysis"/>
            <ul class="dropdown-menu" role="menu">
                <li class="menu-item menu-item-76374" id="menu-item-76374">
                    <a href="https://www.packaging-gateway.com/sector/specialized-packagin
g/food/" title="Food Packaging">
                        Food Packaging
                    </a>
                </li>
                <li class="menu-item menu-item-76375" id="menu-item-76375">
                    <a href="https://www.packaging-gateway.com/sector/specialized-packagin
g/beverage-packaging/" title="Beverage Packaging">
                        Beverage Packaging
                    </a>
                </li>
                <li class="menu-item menu-item-76376" id="menu-item-76376">
                    <a href="https://www.packaging-gateway.com/sector/specialized-packagin
g/pharmaceutical-healthcare-packaging/pharmaceutical/" title="Pharmaceutical Packagi
ng">
                        Pharmaceutical Packaging
                    </a>
                </li>
            </ul>

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        </li>
        <li class="menu-item menu-item-has-children dropdown menu-item-76377" id
="menu-item-76377">
            <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-chil
dren" data-toggle="dropdown" href="https://www.packaging-gateway.com/sector/packagin
g-material/" title="Packaging Material">
                Packaging Material
            </a>
            <input name="analysis" type="checkbox" value="analysis"/>
            <ul class="dropdown-menu" role="menu">
                <li class="menu-item menu-item-76378" id="menu-item-76378">
                    <a href="https://www.packaging-gateway.com/sector/packaging-material/pa
per-and-board/" title="Paper & Board">
                        Paper & Board
                    </a>
                </li>
                <li class="menu-item menu-item-76384" id="menu-item-76384">
                    <a href="https://www.packaging-gateway.com/sector/packaging-material/me
tal/" title="Rigid Metal">
                        Rigid Metal
                    </a>
                </li>
                <li class="menu-item menu-item-76385" id="menu-item-76385">
                    <a href="https://www.packaging-gateway.com/sector/packaging-material/pl
astics/" title="Rigid Plastics">
                        Rigid Plastics
                    </a>
                </li>
                <li class="menu-item menu-item-76386" id="menu-item-76386">
                    <a href="https://www.packaging-gateway.com/sector/packaging-material/gl
ass/" title="Glass">
                        Glass
                    </a>
                </li>
            </ul>
        </li>
        <li class="menu-item menu-item-76387" id="menu-item-76387">
            <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/packaging-services/design/" title="Design & Concepts">
                Design & Concepts
            </a>
            <ul class="dropdown-menu" role="menu">
            </ul>
        </li>
        </ul>
    </li>
    <li class="menu-item menu-item-has-children dropdown menu-item-76392" id="me
nu-item-76392">
        <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-childr
en" data-toggle="dropdown" href="https://www.packaging-gateway.com/sector/theme/" ti
tle="Themes">
            Themes
        </a>
        <input name="analysis" type="checkbox" value="analysis"/>
        <ul class="dropdown-menu" role="menu">
            <li class="menu-item menu-item-76393" id="menu-item-76393">

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        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/technology/artificial-intelligence/" title="Artificial Intelligen
ce">
            Artificial Intelligence
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76394" id="menu-item-76394">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/macro/esg/governance/" title="Corporate Governance">
            Corporate Governance
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76395" id="menu-item-76395">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/technology/cloud/" title="Cloud">
            Cloud
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76396" id="menu-item-76396">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/technology/cybersecurity/" title="Cybersecurity">
            Cybersecurity
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76397" id="menu-item-76397">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/macro/esg/environment/" title="Environmental Sustainability">
            Environmental Sustainability
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76398" id="menu-item-76398">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/technology/internet-of-things/" title="Internet of Things">
            Internet of Things
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76399" id="menu-item-76399">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/technology/robotics/" title="Robotics">
            Robotics
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>

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<li class="menu-item menu-item-76400" id="menu-item-76400">
  <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sector/theme/macro/esg/social/" title="Social Responsibility">
    Social Responsibility
  </a>
  <ul class="dropdown-menu" role="menu">
  </ul>
</li>
</ul>
</li>
<li class="menu-item menu-item-has-children dropdown menu-item-76410" id="me
nu-item-76410">
  <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-childr
en" data-toggle="dropdown" href="https://www.packaging-gateway.com/insights/" title
="Insights">
    Insights
  </a>
  <input name="analysis" type="checkbox" value="analysis"/>
  <ul class="dropdown-menu" role="menu">
    <li class="menu-item menu-item-76411" id="menu-item-76411">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/deals-dashboards/" title="Deals">
        Deals
      </a>
      <ul class="dropdown-menu" role="menu">
      </ul>
    </li>
    <li class="menu-item menu-item-76412" id="menu-item-76412">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/jobs/" title="Jobs">
        Jobs
      </a>
      <ul class="dropdown-menu" role="menu">
      </ul>
    </li>
    <li class="menu-item menu-item-76413" id="menu-item-76413">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/filings/" title="Filings">
        Filings
      </a>
      <ul class="dropdown-menu" role="menu">
      </ul>
    </li>
    <li class="menu-item menu-item-76414" id="menu-item-76414">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/patents/" title="Patents">
        Patents
      </a>
      <ul class="dropdown-menu" role="menu">
      </ul>
    </li>
    <li class="menu-item menu-item-76415" id="menu-item-76415">
      <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/influencers-dashboards/" title="Social Media">
        Social Media
      </a>

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        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
</ul>
</li>
<li class="menu-item menu-item-has-children dropdown menu-item-76388" id="me
nu-item-76388">
    <a class="c-nav-hamburger-menu__link c-nav-hamburger-menu__link--has-childr
en" data-toggle="dropdown" href="#" title="Companies">
        Companies
    </a>
    <input name="analysis" type="checkbox" value="analysis"/>
    <ul class="dropdown-menu" role="menu">
    <li class="menu-item menu-item-76389" id="menu-item-76389">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/company-a-z/" title="Company A-Z">
            Company A-Z
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76405" id="menu-item-76405">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/contractors/" title="Company Categories">
            Company Categories
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76459" id="menu-item-76459">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/products/" title="Products & Services">
            Products & Services
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76461" id="menu-item-76461">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/pressreleases/" title="Company Releases">
            Company Releases
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76464" id="menu-item-76464">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/whitepapers/" title="White Papers">
            White Papers
        </a>
        <ul class="dropdown-menu" role="menu">
        </ul>
    </li>
    <li class="menu-item menu-item-76465" id="menu-item-76465">
        <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/videos/" title="Videos">

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        Videos
    </a>
    <ul class="dropdown-menu" role="menu">
    </ul>
</li>
<li class="menu-item menu-item-76416" id="menu-item-76416">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/buyers-guide/" title="Buyer's Guides">
        Buyer's Guides
    </a>
    <ul class="dropdown-menu" role="menu">
    </ul>
</li>
<li class="menu-item menu-item-76406" id="menu-item-76406">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gatewa
y.com/sponsored/" title="Partner Content">
        Partner Content
    </a>
    <ul class="dropdown-menu" role="menu">
    </ul>
</li>
</ul>
<li class="menu-item menu-item-76466" id="menu-item-76466">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/events/" title="Events">
        Events
    </a>
</li>
<li class="menu-item menu-item-76407" id="menu-item-76407">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/reports/" title="Reports">
        Reports
    </a>
</li>
<li class="premium-insights-menu-link menu-item menu-item-76390" id="menu-ite
m-76390">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/data-insights/" title="Premium Insights">
        Premium Insights
    </a>
</li>
<li class="menu-item menu-item-76409" id="menu-item-76409">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/awards-rankings/" title="Excellence Awards">
        Excellence Awards
    </a>
</li>
<li class="menu-item menu-item-76403" id="menu-item-76403">
    <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/about-inside-packaging-magazine/" title="Magazine">
        Magazine
    </a>
</li>
<ul>
</ul>

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        </ul>
    </div>
</section>
<section class="nav-block globaldata">
    <h2>
        GlobalData
    </h2>
    <div class="menu-globaldata-container">
        <ul class="menu" id="menu-globaldata">
            <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76312" id="menu-item-76312">
                <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.com/about-us-online/" title="About Us">
                    About Us
                </a>
            </li>
            <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76315" id="menu-item-76315">
                <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.com/advertise-with-us/" title="Advertise With Us">
                    Advertise With Us
                </a>
            </li>
            <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item-76309" id="menu-item-76309">
                <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.com/contact-us/" title="Contact Us">
                    Contact Us
                </a>
            </li>
            <li class="menu-item menu-item-type-custom menu-item-object-custom menu-item-76314" id="menu-item-76314">
                <a class="c-nav-hamburger-menu__link" href="https://www.verdictmediastrategies.com/" title="Our Marketing Solutions">
                    Our Marketing Solutions
                </a>
            </li>
            <li class="ext-link menu-item menu-item-type-custom menu-item-object-custom menu-item-76313" id="menu-item-76313">
                <a class="c-nav-hamburger-menu__link" href="https://www.globaldata.com/store/" target="_blank" title="GlobalData Reports">
                    GlobalData Reports
                </a>
            </li>
            <li class="ext-link menu-item menu-item-type-custom menu-item-object-custom menu-item-76310" id="menu-item-76310">
                <a class="c-nav-hamburger-menu__link" href="https://globaldata.com/" target="_blank" title="Visit GlobalData">
                    Visit GlobalData
                </a>
            </li>
        </ul>
    </div>
</section>
<section class="nav-block from-our-partners">
    <h2>

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    From Our Partners
</h2>
<div class="menu-partners-container">
    <ul class="menu" id="menu-partners">
        <li class="menu-item menu-item-type-taxonomy menu-item-object-sector menu-it
em-76404" id="menu-item-76404">
            <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.c
om/sector/partners/future-proofing-food-processing-and-packaging/" title="Future-pro
ofing food processing and packaging">
                Future-proofing food processing and packaging
            </a>
        </li>
    </ul>
</div>
</section>
</div>
<!-- .scroll -->
</nav>
<!-- .burger-menu -->
<nav class="nav-bar">
    <div class="menu-header-menu-container">
        <ul class="menu" id="menu-header-menu">
            <li class="menu-item menu-item-76311" id="menu-item-76311">
                <a href="https://www.packaging-gateway.com/news/" title="News">
                    <span>
                        News
                    </span>
                </a>
            </li>
            <li class="menu-item menu-item-has-children has-sub menu-item-76345" id="menu-
item-76345">
                <a href="https://www.packaging-gateway.com/analysis/" title="Analysis">
                    <span>
                        Analysis
                    </span>
                </a>
                <div class="mega">
                    <section class="nav-block subcats">
                        <h2>
                            Sections
                        </h2>
                        <ul class="dropdown-menu" role="menu">
                            <li class="menu-item menu-item-76342" id="menu-item-76342">
                                <a class="" href="https://www.packaging-gateway.com/features/" title="Fea
tures">
                                    <span>
                                        Features
                                    </span>
                                </a>
                            </li>
                            <li class="menu-item menu-item-76343" id="menu-item-76343">
                                <a class="" href="https://www.packaging-gateway.com/comment/" title="Comm
ent">
                                    <span>
                                        Comment
                                    </span>
                                </a>
                            </li>
                        </ul>
                    </section>
                </div>
            </li>
        </ul>
    </div>

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        </a>
    </li>
    <li class="menu-item menu-item-76344" id="menu-item-76344">
        <a class="" href="https://www.packaging-gateway.com/projects-a-z/" title
="Projects">
            <span>
                Projects
            </span>
        </a>
    </li>
</ul>
</section>
<section class="nav-block most-read">
    <h2>
        Latest
    </h2>
    <ul>
        <li>
            <a href="https://www.packaging-gateway.com/features/deep-dive-into-reusab
le-packaging-software/">
                A deep dive into reusable packaging software
            </a>
        </li>
        <li>
            <a href="https://www.packaging-gateway.com/comment/functions-absorbent-pa
d-meat-diaper-packaging/">
                Understanding the functions of an absorbent pad in meat packaging
            </a>
        </li>
        <li>
            <a href="https://www.packaging-gateway.com/features/role-smart-packaging-
against-counterfeiting/">
                The role of smart packaging in the fight against counterfeiting
            </a>
        </li>
    </ul>
</section>
</div>
</li>
<li class="menu-item menu-item-has-children has-sub menu-item-76348" id="menu-
item-76348">
    <a href="https://www.packaging-gateway.com/sector/packaging/" title="Sector
s">
        <span>
            Sectors
        </span>
    </a>
    <div class="mega">
        <section class="nav-block subcats">
            <h2>
                Sections
            </h2>
            <ul class="dropdown-menu" role="menu">
                <li class="menu-item menu-item-has-children dropdown menu-item-76330" id
="menu-item-76330">
                    <a class="c-nav-hamburger-menu__sub-item" href="https://www.packaging-gat

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eway.com/sector/equipment/" title="Packaging Equipment">
    <span>
        Packaging Equipment
    </span>
</a>
</li>
<li class="menu-item menu-item-has-children dropdown menu-item-76333" id
="menu-item-76333">
    <a class="c-nav-hamburger-menu__sub-item" href="https://www.packaging-gat
eway.com/sector/specialized-packaging/" title="Specialised Packaging">
        <span>
            Specialised Packaging
        </span>
    </a>
</li>
<li class="menu-item menu-item-has-children dropdown menu-item-76337" id
="menu-item-76337">
    <a class="c-nav-hamburger-menu__sub-item" href="https://www.packaging-gat
eway.com/sector/packaging-material/" title="Packaging Material">
        <span>
            Packaging Material
        </span>
    </a>
</li>
<li class="menu-item menu-item-76329" id="menu-item-76329">
    <a class="" href="https://www.packaging-gateway.com/sector/packaging-serv
ices/design/" title="Design & Concepts">
        <span>
            Design & Concepts
        </span>
    </a>
</li>
</ul>
</section>
<section class="nav-block most-read">
<h2>
    Latest
</h2>
<ul>
<li>
    <a href="https://www.packaging-gateway.com/news/pepsico-india-rpet-bottle
s/">
        PepsiCo India to launch new 100% rPET Pepsi Black bottles
    </a>
</li>
<li>
    <a href="https://www.packaging-gateway.com/news/pixelle-barrier-paper-arm
or/">
        Pixelle launches new brand of barrier paper solutions
    </a>
</li>
<li>
    <a href="https://www.packaging-gateway.com/news/arla-new-fibre-caps/">
        Arla and Blue Ocean Closures partner to create fibre-based caps
    </a>
</li>

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        </ul>
    </section>
</div>
</li>
<li class="menu-item menu-item-has-children has-sub menu-item-76347" id="menu-
item-76347">
    <a href="https://www.packaging-gateway.com/sector/theme/" title="Themes">
        <span>
            Themes
        </span>
    </a>
    <div class="mega">
        <section class="nav-block subcats">
            <h2>
                Sections
            </h2>
            <ul class="dropdown-menu" role="menu">
                <li class="menu-item menu-item-76353" id="menu-item-76353">
                    <a class="" href="https://www.packaging-gateway.com/sector/theme/technolo
gy/artificial-intelligence/" title="Artificial Intelligence">
                        <span>
                            Artificial Intelligence
                        </span>
                    </a>
                </li>
                <li class="menu-item menu-item-76354" id="menu-item-76354">
                    <a class="" href="https://www.packaging-gateway.com/sector/theme/technolo
gy/cloud/" title="Cloud">
                        <span>
                            Cloud
                        </span>
                    </a>
                </li>
                <li class="menu-item menu-item-76355" id="menu-item-76355">
                    <a class="" href="https://www.packaging-gateway.com/sector/theme/macro/es
g/governance/" title="Corporate Governance">
                        <span>
                            Corporate Governance
                        </span>
                    </a>
                </li>
                <li class="menu-item menu-item-76356" id="menu-item-76356">
                    <a class="" href="https://www.packaging-gateway.com/sector/theme/technolo
gy/cybersecurity/" title="Cybersecurity">
                        <span>
                            Cybersecurity
                        </span>
                    </a>
                </li>
                <li class="menu-item menu-item-76357" id="menu-item-76357">
                    <a class="" href="https://www.packaging-gateway.com/sector/theme/macro/es
g/environment/" title="Environmental Sustainability">
                        <span>
                            Environmental Sustainability
                        </span>
                    </a>

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    </li>
    <li class="menu-item menu-item-76358" id="menu-item-76358">
      <a class="" href="https://www.packaging-gateway.com/sector/theme/technology/internet-of-things/" title="Internet of Things">
        <span>
          Internet of Things
        </span>
      </a>
    </li>
    <li class="menu-item menu-item-76359" id="menu-item-76359">
      <a class="" href="https://www.packaging-gateway.com/sector/theme/technology/robotics/" title="Robotics">
        <span>
          Robotics
        </span>
      </a>
    </li>
    <li class="menu-item menu-item-76360" id="menu-item-76360">
      <a class="" href="https://www.packaging-gateway.com/sector/theme/macro/esg/social/" title="Social Responsibility">
        <span>
          Social Responsibility
        </span>
      </a>
    </li>
  </ul>
</section>
<section class="nav-block most-read">
  <h2>
    Latest
  </h2>
  <ul>
    <li>
      <a href="https://www.packaging-gateway.com/news/pepsico-india-rpet-bottles/">
        PepsiCo India to launch new 100% rPET Pepsi Black bottles
      </a>
    </li>
    <li>
      <a href="https://www.packaging-gateway.com/news/arla-new-fibre-caps/">
        Arla and Blue Ocean Closures partner to create fibre-based caps
      </a>
    </li>
    <li>
      <a href="https://www.packaging-gateway.com/news/tcl-improved-packaging-sustainability/">
        TCL pledges to make its packaging more sustainable
      </a>
    </li>
  </ul>
</section>
</div>
</li>
<li class="menu-item menu-item-has-children has-sub menu-item-76361" id="menu-item-76361">
  <a href="https://www.packaging-gateway.com/insights/" title="Insights">

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    <span>
      Insights
    </span>
  </a>
<div class="mega">
  <section class="nav-block subcats">
    <h2>
      Sections
    </h2>
    <ul class="dropdown-menu" role="menu">
      <li class="menu-item menu-item-76362" id="menu-item-76362">
        <a class="" href="https://www.packaging-gateway.com/deals-dashboards/" ti
tle="Deals">
          <span>
            Deals
          </span>
        </a>
      </li>
      <li class="menu-item menu-item-76363" id="menu-item-76363">
        <a class="" href="https://www.packaging-gateway.com/jobs/" title="Jobs">
          <span>
            Jobs
          </span>
        </a>
      </li>
      <li class="menu-item menu-item-76364" id="menu-item-76364">
        <a class="" href="https://www.packaging-gateway.com/filings/" title="Fili
ngs">
          <span>
            Filings
          </span>
        </a>
      </li>
      <li class="menu-item menu-item-76365" id="menu-item-76365">
        <a class="" href="https://www.packaging-gateway.com/patents/" title="Pate
nts">
          <span>
            Patents
          </span>
        </a>
      </li>
      <li class="menu-item menu-item-76366" id="menu-item-76366">
        <a class="" href="https://www.packaging-gateway.com/influencers-dashboar
d/" title="Social Media">
          <span>
            Social Media
          </span>
        </a>
      </li>
    </ul>
  </section>
  <section class="nav-block most-read">
    <h2>
      Latest
    </h2>
    <ul>

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<li>
  <a href="https://www.packaging-gateway.com/news/ds-smith-fy22-23/">
    DS Smith witnesses 14% increase in revenues for FY22/23
  </a>
</li>
<li>
  <a href="https://www.packaging-gateway.com/dashboards/filings/internet-of
-things-mentions-packaging-industry/">
    Who's saying what? Internet of Things mentions in company filings of pac
kaging industry increased by 13% in Q1 2023
  </a>
</li>
<li>
  <a href="https://www.packaging-gateway.com/dashboards/deals-dashboards/gl
obal-ma-activity-paper-packaging-industry/">
    Who's acquiring who? M&A activity in the paper & packaging indus
try decreased by 7% in Q1 2023
  </a>
</li>
</ul>
</section>
</div>
</li>
<li class="menu-item menu-item-has-children has-sub menu-item-76349" id="menu-
item-76349">
  <a href="#" title="Companies">
    <span>
      Companies
    </span>
  </a>
  <div class="mega">
    <section class="nav-block subcats">
      <h2>
        Sections
      </h2>
      <ul class="dropdown-menu" role="menu">
        <li class="menu-item menu-item-76350" id="menu-item-76350">
          <a class="" href="https://www.packaging-gateway.com/company-a-z/" title
="Company A-Z">
            <span>
              Company A-Z
            </span>
          </a>
        </li>
        <li class="menu-item menu-item-76351" id="menu-item-76351">
          <a class="" href="https://www.packaging-gateway.com/contractors/" title
="Company Categories">
            <span>
              Company Categories
            </span>
          </a>
        </li>
        <li class="menu-item menu-item-76458" id="menu-item-76458">
          <a class="" href="https://www.packaging-gateway.com/products/" title="Pro
ducts & Services">
            <span>

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        Products & Services
    </span>
</a>
</li>
<li class="menu-item menu-item-76460" id="menu-item-76460">
    <a class="" href="https://www.packaging-gateway.com/pressreleases/" title
="Company Releases">
        <span>
            Company Releases
        </span>
    </a>
</li>
<li class="menu-item menu-item-76462" id="menu-item-76462">
    <a class="" href="https://www.packaging-gateway.com/whitepapers/" title
="White Papers">
        <span>
            White Papers
        </span>
    </a>
</li>
<li class="menu-item menu-item-76463" id="menu-item-76463">
    <a class="" href="https://www.packaging-gateway.com/videos/" title="Video
s">
        <span>
            Videos
        </span>
    </a>
</li>
<li class="menu-item menu-item-76381" id="menu-item-76381">
    <a class="" href="https://www.packaging-gateway.com/buyers-guide/" title
="Buyer's Guides">
        <span>
            Buyer's Guides
        </span>
    </a>
</li>
<li class="menu-item menu-item-76352" id="menu-item-76352">
    <a class="" href="https://www.packaging-gateway.com/sponsored/" title="Pa
rtner Content">
        <span>
            Partner Content
        </span>
    </a>
</li>
</ul>
</section>
<section class="nav-block most-read">
    <h2>
        Latest
    </h2>
    <ul>
        <li>
            <a href="https://www.packaging-gateway.com/sponsored/how-ai-in-cpg-gets-p
roducts-to-market-faster/">
                How AI in CPG gets products to market faster
            </a>

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        </li>
        <li>
            <a href="https://www.packaging-gateway.com/sponsored/10-ways-to-accelerate-cpg-research-and-development-with-ai-powered-collaboration/">
                10 ways to accelerate CPG research and development with AI-powered collaboration
            </a>
        </li>
        <li>
            <a href="https://www.packaging-gateway.com/sponsored/stourgarden-23-years-newtec-weighing-machines/">
                Stourgarden and Newtec: 23 Years with Newtec Weighing Machines
            </a>
        </li>
    </ul>
</section>
</div>
</li>
<li class="menu-item menu-item-76417" id="menu-item-76417">
    <a href="https://www.packaging-gateway.com/events/" title="Events">
        <span>
            Events
        </span>
    </a>
</li>
<li class="menu-item menu-item-76379" id="menu-item-76379">
    <a href="https://www.packaging-gateway.com/reports/" title="Reports">
        <span>
            Reports
        </span>
    </a>
</li>
<li class="premium-insights-menu-link menu-item menu-item-76346" id="menu-item-76346">
    <a href="https://www.packaging-gateway.com/data-insights/" title="Premium Insights">
        <span>
            Premium Insights
        </span>
    </a>
</li>
</ul>
</div>
<div class="initials">
    <a href="https://www.packaging-gateway.com">
        PG
    </a>
</div>
</nav>
<nav class="sub-nav-bar">
    <div class="sub-nav-inner">
        <div class="breadcrumb">
            <ul>
                <li>

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        <a href="https://www.packaging-gateway.com/analysis/">
            Analysis
        </a>
    </li>
</ul>
</div>
<div class="subcategories">
    <div class="arrow-left">
        Left
    </div>
    <div class="arrow-right">
        Right
    </div>
    <ul>
        <li class="current">
            <a href="https://www.packaging-gateway.com/features/">
                Features
            </a>
        </li>
        <li class="">
            <a href="https://www.packaging-gateway.com/comment/">
                Comment
            </a>
        </li>
        <li class="">
            <a href="https://www.packaging-gateway.com/projects-a-z/">
                Projects
            </a>
        </li>
    </ul>
</div>
</div>
</nav>
<div class="menu-bg">
</div>
</header>
<main class="article-page">
    <header class="article-header">
        <div class="breadcrumbs-container">
            <ul class="breadcrumbs">
                <li class="breadcrumbs-item">
                    <a class="c-post-content__category" href="https://www.packaging-gateway.com/f
eatures/">
                        Features
                    </a>
                </li>
            </ul>
            <div class="date">
                <span class="date-published">
                    November 29, 2022
                </span>
            </div>
        </div>
        <div class="article-header__content">
            <h1 class="article-header__title">
                Are the top five FMCG companies leading the way on circularity?
            </h1>
        </div>
    </main>

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</h1>
<p class="article-header__excerpt">
    As governments, environmental institutes and business leaders all back the idea of a circular economy for packaging following COP27, Packaging Gateway looks at how the world's leading FMCG companies are tackling circularity.
</p>
<div class="article-header__author desktop-authorwidget">
    By
    <a class="author url fn" href="https://www.packaging-gateway.com/author/ryanellington/" rel="author" title="Posts by Ryan Ellington">
        Ryan Ellington
    </a>
</div>
</div>
</header>
<section class="article-content">
<div class="grid-x desktop-gap">
<div class="cell large-8 main-content">
<div class="author-container mobile-only mobile-authorwidget">
<div class="author-avatar avatar">
<div class="avatar-image__container">
<a href="https://www.packaging-gateway.com/author/ryanellington/">

</a>
</div>
<div class="avatar-name__container">
<h3 class="author-name">
<a href="https://www.packaging-gateway.com/author/ryanellington/">
        Ryan Ellington
    </a>
</h3>
<h4 class="author-social-link">
</h4>
</div>
</div>
<div class="share">
<div class="share__list">
<a class="share__link icon-email" href="mailto:type%20email%20address%20here?subject=I%20wanted%20to%20share%20this%20post%20with%20you%20from%20Packaging%20Gateway&body=Are%20the%20top%20five%20FMCG%20companies%20leading%20the%20way%20on%20circularity?%20-%20https://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-way-on-circularity/" target="_blank" title="">

</a>
<a class="share__link icon-linkedin" href="http://www.linkedin.com/shareArticle?mini=true&url=https://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-way-on-circularity/" target="_blank" title="">

</a>
<a class="share__link icon-twitter" href="https://twitter.com/intent/tweet?text=Are+the+top+five+FMCG+companies+leading+the+way+on+circularity%3F%0a&url=https://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-

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way-on-circularity/&via=InsidePackaging" target="_blank" title="">>
    
    </a>
    <a class="share__link icon-facebook" href="https://www.facebook.com/sharer/s
harer.php?u=https://www.packaging-gateway.com/features/are-the-top-five-fmcg-compani
es-leading-the-way-on-circularity/" target="_blank" title="">>
    
    </a>
</div>
</div>
<!--<p class="drop-cap"></p-->
<div class="article-image">
    <figure class="article-image__container">
        
        <figcaption class="c-featured-image__description">
            Circularity within packaging remains a high-ranking topic and Ryan Ellingto
n investigates how the big companies are tackling it. Credits: Yalcin Sonat
        </figcaption>
    </figure>
</div>
<p class="drop-cap">
    Understandably ESG remains a high-ranking theme within the packaging sector a
nd with world leaders recently attending COP27, there is a renewed push from governm
ents, businesses and environmental agencies to build a global circular economy.
</p>
<div class="sponsored-whitepaper sponsored hidden">
    <div class="sponsored-whitepaper-container grid-x">
        <div buyers="" class="content small-9" guide="" packaging="">
            <h4>
                Free Buyers Guide
            </h4>
            <h3 class="wp-noreslt vmsdesc" style="display:block">
                Are the top five FMCG companies leading the way on circularity?
            </h3>
            <div class="vmsdesc mobile-verison-hide" id="vms_description" style="displa
y:block;">
                The document includes detailed information on the manufacturers and suppli
ers and their products, along with contact details, to inform your purchasing decisi
on.
            </div>
            <div class="successMsg hidden" id="enquiry3_1">
                <b class="whitepaper__title--msg">
                    Thank you.
                </b>
                <b class="whitepaper__title--msg--2">
                    Your download email will arrive shortly
                </b>
            </div>
            <button class="button primary solid" id="download_buyersguide">
                Download free guide
            </button>
            <a class="image-container small-2" href="javascript:void(0)">
            </a>

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</div>
<a class="image-container small-2" href="javascript:void(0)">
  <!-- .content .small-9 -->
  
</a>
</div>
<!-- grid-x -->
<div class="grid-x" id="buyergudeform" style="display:none;">
  <div class="form-wrapper large-9">
    <form action="" class="form" enctype="text/plain" id="enquiryform_1" method
="post" target="formResult">
      <div class="form-group">
        <div class="input-container">
          <input aria-required="true" class="enquiry__input" id="enq-email-vms" na
me="Email" onkeyup="checkEmail_1(this.form.Email)" placeholder="Enter your work email"
tabindex="1" type="text"/>
          <small>
            </small>
        </div>
      </div>
      <div class="enquiry-form-show_1 hidden" id="hidden">
        <div class="form-group">
          <input aria-required="true" class="enquiry__input" id="enq-first-name" n
ame="first_name" placeholder="First name *" tabindex="2" type="text"/>
          <small>
            </small>
        </div>
        <div class="form-group">
          <input aria-required="true" class="enquiry__input" id="enq-last-name" na
me="last_name" placeholder="Last name *" tabindex="2" type="text"/>
          <small>
            </small>
        </div>
        <div class="form-group">
          <input aria-required="true" class="enquiry__input" id="enq-company" name
="Company" placeholder="Company name *" tabindex="3" type="text"/>
          <small>
            </small>
        </div>
        <div class="form-group">
          <input aria-required="true" class="enquiry__input" id="enq-job-title" na
me="job_title" placeholder="Job title *" tabindex="4" type="text"/>
          <small>
            </small>
        </div>
        <div class="form-group">
          <select aria-required="true" class="enquiry__input--select select--count
ry" id="enq-country-code" name="countrycode" placeholder="Country Code">
            <option disabled="" hidden="" id="country-label" selected="" value="0">
              Country Code
            </option>
            <option data-countrycode="GB" value="44">
              UK (+44)
            </option>
            <option data-countrycode="US" value="1">

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    USA (+1)
</option>
<optgroup label="Other countries">
  <option data-countrycode="DZ" value="213">
    Algeria (+213)
  </option>
  <option data-countrycode="AD" value="376">
    Andorra (+376)
  </option>
  <option data-countrycode="AO" value="244">
    Angola (+244)
  </option>
  <option data-countrycode="AI" value="1264">
    Anguilla (+1264)
  </option>
  <option data-countrycode="AG" value="1268">
    Antigua & Barbuda (+1268)
  </option>
  <option data-countrycode="AR" value="54">
    Argentina (+54)
  </option>
  <option data-countrycode="AM" value="374">
    Armenia (+374)
  </option>
  <option data-countrycode="AW" value="297">
    Aruba (+297)
  </option>
  <option data-countrycode="AU" value="61">
    Australia (+61)
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e your information with
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and that your personal data will be used as described in their

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  for more information about our services, how GlobalData may use, process
  and share your personal data, including information on your rights in respect of you
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  , the statistical office of the European Union, of all the plastic packaging
  waste produced in Europe, less than half is recycled and in 2020, plastics accounted
  for nearly 20% of all packaging waste.
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      Packaging Industry Mergers and Acquisitions Deals by Top Themes in Q1 2022 - Thematic Research
    </a>
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            Anheuser-Busch InBev NV/SA

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<p>
    Worldwide there are examples of movements to promote circular economies. In I
ndia, the
    <a href="https://www.packaging-gateway.com/news/wwf-india-plastic-pact/">
        Worldwide Fund for Nature India (WWF India) partnered with the Confederation
of Indian Industry (CII)
    </a>
    in an effort to build a circular system for plastics. CEO of Deshwal Waste Ma
nagement stated in India's news publication,
    <em>
        The Economic Times,
    </em>
    that a circular economy was key to preserving the country's environmental con
ditions and would result in a 44% reduction in greenhouse gas emissions.
</p>
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In a bid to boost circularity within the UK, packaging manufacturer and consultancy

<https://www.packaging-gateway.com/news/how-duclo-recycling-is-pushing-circularity-forwards-in-the-uk/>

Duo invested £3M to establish Duclo Recycling,

a new recycling business that specialises in the recovery and recycling of plastic packaging to prevent end-of-use material going to waste. The plant will enable Duclo Recycling to recycle around 7,000 tonnes of plastic by the end of 2022, with ambitions to double this in 2023.

Packaging waste is a global issue and there is no doubt that FMCG companies have a large role to play in improving the planet for everyone's benefit, so Ryan Ellington has examined the top five FMCG companies to find out what they are doing to create a more circular packaging economy for all.

**h2 class="wp-block-heading" id="h-1-the-coca-cola-company">**

1. The Coca-Cola Company

US multinational beverage corporation,

<https://www.coca-colacompany.com/>

The Coca-Cola Company

is firmly committed to building a sustainable future and with the launch of its 'ts '

World Without Waste

' initiative back in 2018, the drinks company has an aim of recycling as many cans/bottles as it produces.

Just as recently as February 2022, The Coca-Cola Company announced a

new reusable packaging goal

. Its aim is to have at least 25% of its beverages worldwide by volume sold in refillable/returnable glass or plastic bottles or in fountain dispensers with reusable packaging. The company has also reduced the use of coloured rPET in its packaging, to make its bottles easier to recycle, such as turning its Sprite bottles from green to clear.

A spokesperson for Coca-Cola Europacific Partners (CCEP), packaging partners of The Coca-Cola Company, told Packaging Gateway exclusively: "We are committed to reducing the impact of our packaging on the environment and supporting a low carbon, circular economy. To do this, we're reducing our use of packaging where we can and ensuring that the equivalent of all the packaging we do use is collected, reused or recycled so that it does not end up as waste or litter.

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</p>
<div id="slot-two">
</div>
<p>
    "The roll-out of bottles with attached caps is the latest packaging innovatio
n we've brought to the market. The new packaging design makes us the first major sof
t drinks company, in partnership with The Coca-Cola Company, to make the switch. Thi
s makes it easier to recycle the entire package and ensure no cap gets left behind."
</p>
<p>
    The spokesperson pointed out the aim is to implement these caps across all Co
ca-Cola brands and pack sizes by the end of 2024 and added: "Our 500ml bottles are n
ow made from 100% recycled plastic, saving 29,000 tonnes of virgin plastic each yea
r."
</p>
<p>
    <strong>
        The Coca-Cola Company's key circularity goals:
    </strong>
</p>
<ul>
<li>
        By 2030: Reduce absolute greenhouse gas emissions by 25%
    </li>
<li>
        By 2030: Use at least 50% recycled material in its packaging.
    </li>
</ul>
<p>
</p>
<h2 class="wp-block-heading" id="h-2-ab-inbev">
    <strong>
        2. AB InBev
    </strong>
</h2>
<p>
    <a href="https://www.globaldata.com/company-profile/anheuser-busch-inbev-nv-s
a">
        Anheuser-Busch InBev
    </a>
    , better known as A-B InBev, is one of the world's largest beer brewers and p
laces sustainability at the top of its agenda with a commitment to supporting the Un
ited Nations Sustainable Development Goals and broader global sustainable developmen
t agenda.
</p>
<p>
    Since 2019 packs of its Jupiler brand have been sold in Belgium with 100% rec
ycled shrink packaging, transforming what was previously waste, into packaging agai
n. Then in 2020, in the UK, A-B InBev made an investment of close to US$8m to replac
e plastic rings with technologies like KeelClip, a recyclable paperboard alternativ
e.
</p>
<p>
    In terms of circularity, the drinks producer is working towards closing the l
oop and having 100% of its products in packaging that is returnable or made from a m
ajority-recycled content by 2025. In 2020, A-B InBev launched the 'Return Home' proj

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ect in Bogota, Columbia, a country where it claims to sell one million bottles per day, in order to collect single-use plastic bottles for recycling.

</p>  
<p>  
<strong>  
A-BInBev's key circularity goals:  
</strong>  
</p>  
<ul>  
<li>  
By 2025: 100% of its products will be in packaging that is returnable or made from majority recycled content  
</li>  
<li>  
By 2025: 100% of its purchased electricity will come from renewable sources  
</li>  
<li>  
By 2025: A quarter (25%) reduction in CO2 emissions across the whole value chain.  
</li>  
</ul>  
<p>  
</p>

<h2 class="wp-block-heading" id="h-3-pepsico">  
<strong>  
3. PepsiCo  
</strong>  
</h2>  
<p>  
US multinational food, snack and beverage corporation  
<a href="https://www.pepsico.com/">  
PepsiCo  
</a>  
has a vision of becoming a global leader in beverages and convenient foods by putting sustainability first. PepsiCo states that packaging plays a key role in its overall sustainability agenda. It actively supports different policies used to promote a more sustainable, circular economy for packaging, including well-designed Extended Producer Responsibility (EPR) programmes that leverage industry leadership.  
</p>

<p>  
<p>  
In 2021 the company launched its sustainability programme,  
<a href="https://www.packaging-gateway.com/analysis/what-is-pepsico-hoping-for-from-pep/">  
PepsiCo Positive (PEP+)  
</a>  
. The programme aims to make its plastic packaging from 50% recycled materials and halve its use of virgin plastic by 2030. The company states that it is working towards its vision of building a world where packaging never becomes waste.  
</p>

<p>  
A spokesperson from PepsiCo told Packaging Gateway: "We plan to do that by reducing the amount of packaging we use, working to ensure more is recycled and available for reuse and reinventing our packaging through exploring different models (such as reuse and refill) and innovating to use different materials. As part of our efforts on reduction, PepsiCo has a goal to cut virgin plastic per serving by 50% across its food & beverage portfolio by 2030."

&lt;/p&gt;

&lt;p&gt;

The spokesperson added that alongside the company's work to reduce the amount of packaging it uses through methods such as light-weighting bottles, it is also working to use more recycled content in its packaging.

&lt;/p&gt;

&lt;p&gt;

"In 2021, we transitioned several brands to 100% recycled plastic bottles (excluding cap and label) across 22 global markets. On recycling, PepsiCo is seeking to improve collection and recycling infrastructure through partnership investments and consumer engagement. This includes our participation in the Holy Grail 2.0 initiative to improve waste sorting through the use of invisible digital codes printed on packaging."

&lt;/p&gt;

&lt;p&gt;

In the US, PepsiCo is partnering with the American Beverage Association, independent conservation organisation World Wildlife Fund (WWF), The Recycling Partnership and local governments on an initiative called Every Bottle Back to invest in recycling infrastructure upgrades, expand access to recycling and support community education efforts.

&lt;/p&gt;

&lt;p&gt;

"Reinvention requires innovation, and so PepsiCo is developing disruptive and innovative business models and technologies aimed to transform the way the world thinks about packaging. We are partnering with Pulpex with the goal to offer the first 100% recyclable paper bottle at scale, and globally expanding SodaStream, a game-changing platform that dramatically reduces the need for beverage packaging," the spokesperson continued.

&lt;/p&gt;

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&lt;strong&gt;

PepsiCo's key circularity goals:

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&lt;/p&gt;

&lt;ul&gt;

&lt;li&gt;

By 2025: Design 100% of its packaging to be recyclable, compostable, biodegradable, or reusable

&lt;/li&gt;

&lt;/ul&gt;

&lt;ul&gt;

&lt;li&gt;

By 2030: Cut virgin plastic from non-renewable sources per serving across its global beverages and convenient foods portfolio by 50%.

&lt;/li&gt;

&lt;/ul&gt;

&lt;p&gt;

&lt;/p&gt;

&lt;h2 class="wp-block-heading" id="h-4-nestle"&gt;

&lt;strong&gt;

4. Nestlé

&lt;/strong&gt;

&lt;/h2&gt;

&lt;p&gt;

Swiss multinational food and drinks company Nestlé

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</strong>

places sustainability firmly at the top of the agenda with the understanding that packaging has a vital role to play. The company has a vision that none of its packaging goes to landfill or ends up as litter, and it is committed to reducing its plastic use.

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<p>

Nestlé states it has achieved four million tonnes of greenhouse gas emissions (CO2e) reductions through its projects. The company also explains that its Institute of Packaging Science and five-pillar packaging strategy shows its building a waste-free future.

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<p>

“It is important to remember that food packaging is vital for protecting food against external influences such as moisture, heat, light, microbes or bacteria. Packaging preserves food and ensures it doesn’t spoil. It also helps reduce food waste. Plastic has made food safer. The packaging of food is much more demanding than the packaging of cleaning agents, for example,” a spokesperson for Nestlé told Packaging Gateway exclusively.

</p>

<p>

Nestlé plans to cut its plastic usage by reducing the weight of its plastic packaging by 35%, from 1.5 million tons in 2019 to 0.98 million tons at the end of 2021, as a result of product portfolio shifts and packaging redesigns.

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<p>

The spokesperson explained: “In fact, we have moved beyond peak virgin plastic packaging and we are consistently reducing plastic year-on-year since our highest level in 2019, even while our business continues to grow. Another way is through reusable and refillable systems. We have run over 20 pilots of reuse and refill systems in 12 countries, but we recognise that more needs to be done here. We will work with our retail partners to increase and scale up reuse and refill systems.

</p>

<p>

“Another approach is by redesigning packaging or pioneering alternative packaging. As of 2021, one-quarter of our plastic packaging that had previously not been designed for recycling had been improved and redesigned so that it could be recycled. At the same time, we additionally phased out non-recyclable materials.

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<p>

As of the end of 2021, the spokesperson said 80% of Nestlé’s plastic packaging had been designed for recycling. In other words, it was made in such a way that it could be recycled in dedicated recycling facilities.

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<p>

“We expect to reach more than 95% by 2025 and remain committed to achieving 100%. We also believe that it is important to support dedicated recycling infrastructure.”

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<p>

The spokesperson was honest about the fact a lack of infrastructure is currently the main barrier for a waste-free future.

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<p>

Nestlé is therefore actively advocating for a legally binding Global Plastics

Treaty and the prospect of new, harmonised national regulations to follow, which it believes will help to end plastic pollution.

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<p>

<strong>

Nestlé's key circularity goals:

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<ul>

<li>

By 2025: More than 95% of plastic packaging will be designed for recycling systems.

</li>

</ul>

<p>

</p>

<h2 class="wp-block-heading" id="h-5-procter-gamble">

<strong>

5. Procter & Gamble

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</h2>

<p>

US multinational consumer goods corporation Procter & Gamble believes packaging plays an essential role in delivering products to consumers. It wants to push greater circularity for end-of-life packaging by working towards 100% recyclable or reusable packaging.

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<p>

The consumer goods company acknowledges that plastic waste in the environment is a serious problem and that driving greater circularity for plastics will require collaboration. This belief has seen partnerships such as

<a href="https://endplasticwaste.org/">

The Alliance to End Plastic Waste

</a>

, an initiative supported by over 50 companies committed to investing at least US\$1.5bn by 2023 in solutions that stop plastic leakage to the environment.

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<p>

<strong>

Procter & Gamble's key circularity goals:

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<ul>

<li>

By 2030: 100% recyclable or reusable packaging

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<ul>

<li>

By 2030: 50% reduction in virgin petroleum plastic resin in its packaging.

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</ul>

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    Taiwan (+886)
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<option data-countrycode="TJ" value="7">
    Tajikistan (+7)
</option>
<option data-countrycode="TH" value="66">
    Thailand (+66)
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    Togo (+228)
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    Tonga (+676)
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<option data-countrycode="TT" value="1868">
    Trinidad & Tobago (+1868)
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<option data-countrycode="TN" value="216">
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    Turkey (+90)
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    Turkmenistan (+7)
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<option data-countrycode="TM" value="993">
    Turkmenistan (+993)
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<option data-countrycode="TC" value="1649">
    Turks & Caicos Islands (+1649)
</option>
<option data-countrycode="TV" value="688">
    Tuvalu (+688)
</option>
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```
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  Uganda (+256)
</option>
<!-- <option data-countryCode="GB" value="44">UK (+44)</option> -->
<option data-countrycode="UA" value="380">
  Ukraine (+380)
</option>
<option data-countrycode="AE" value="971">
  United Arab Emirates (+971)
</option>
<option data-countrycode="UY" value="598">
  Uruguay (+598)
</option>
<!-- <option data-countryCode="US" value="1">USA (+1)</option> -->
<option data-countrycode="UZ" value="7">
  Uzbekistan (+7)
</option>
<option data-countrycode="VU" value="678">
  Vanuatu (+678)
</option>
<option data-countrycode="VA" value="379">
  Vatican City (+379)
</option>
<option data-countrycode="VE" value="58">
  Venezuela (+58)
</option>
<option data-countrycode="VN" value="84">
  Vietnam (+84)
</option>
<option data-countrycode="VG" value="84">
  Virgin Islands - British (+1284)
</option>
<option data-countrycode="VI" value="84">
  Virgin Islands - US (+1340)
</option>
<option data-countrycode="WF" value="681">
  Wallis & Futuna (+681)
</option>
<option data-countrycode="YE" value="969">
  Yemen (North)(+969)
</option>
<option data-countrycode="YE" value="967">
  Yemen (South)(+967)
</option>
<option data-countrycode="ZM" value="260">
  Zambia (+260)
</option>
<option data-countrycode="ZW" value="263">
  Zimbabwe (+263)
</option>
</optgroup>
</select>
<small>
</small>
</div>
<div class="form-group">
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```

        <input aria-required="true" class="enquiry__input" id="enq-phone" name
        ="phone" onkeypress="validate(event)" placeholder="Phone number *" tabindex="7" type
        ="text"/>
        <small>
        </small>
    </div>
    <div class="form-group">
        <select aria-required="true" class="enquiry__input--select select--count
        ry" id="enq-country" name="country" onclick="this.setAttribute(' placeholder="Countr
        y *" tabindex="6" this.value);"="" value="" value",="">
            <option disabled="" hidden="" id="country-label" selected="" value="0">
                Country
            </option>
            <option value="UK">
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            </option>
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            </option>
            <option value="Afghanistan">
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            </option>
            <option value="Åland Islands">
                Åland Islands
            </option>
            <option value="Albania">
                Albania
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            <option value="Algeria">
                Algeria
            </option>
            <option value="American Samoa">
                American Samoa
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            <option value="Andorra">
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            </option>
            <option value="Angola">
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            <option value="Anguilla">
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            </option>
            <option value="Argentina">
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            <option value="Armenia">
                Armenia
            </option>
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```

```
Aruba
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</option>
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  Azerbaijan
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<option value="Bhutan">
  Bhutan
</option>
<option value="Bolivia">
  Bolivia
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</option>
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    the Congo
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Iraq
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Slovakia
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    Sandwich Islands
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<option value="Vanuatu">
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</option>
<option value="Venezuela">
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```

        Vietnam
    </option>
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    <option value="US Virgin Islands">
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    </option>
    <option value="Wallis and Futuna">
        Wallis and Futuna
    </option>
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        Western Sahara
    </option>
    <option value="Yemen">
        Yemen
    </option>
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        Zambia
    </option>
    <option value="Zimbabwe">
        Zimbabwe
    </option>
    <option value="Kosovo">
        Kosovo
    </option>
</select>
<small>
</small>
</div>
<label for="recaptcha" class=" g-recaptcha"="">
    <div class="g-recaptcha" data-sitekey="6LcqBjQUAAAAA0m0OoVcGhdeuwRaYeG44
rfzGqtv" id="captchas">
    </div>
    <small id="captcha">
    </small>
</label>
    <input id="recaptch_secret_key" name="Recaptcha_Secret_Key" type="hidden"
value="6LcqBjQUAAAAAHJi7uKe3jwmQA26s7l09YBI1KTr"/>
    <input name="VMS_Company_Logo" type="hidden" value="https://www.packaging
-gateway.com/wp-content/uploads/sites/16/2017/07/PG.png"/>
    <input name="VMS_Company_Email" type="hidden" value="buyers-guide-log@ver
dict.co.uk"/>
    <input name="VMS_Post_Id" type="hidden" value="72681"/>
    <input name="VMS_Site_Name" type="hidden" value="Packaging Gateway"/>
    <input name="VMS_Site_Logo" type="hidden" value="https://www.packaging-ga
teway.com/wp-content/uploads/sites/16/2017/07/PG.png"/>
    <input name="VMS_Company" type="hidden" value="Packaging Buyers Guide"/>
    <input name="VMS_Whitepaper_Name" type="hidden" value="Leading Guide to S
ustainable Packaging Solutions for the Packaging Industry"/>
    <input name="VMS_Site_Id" type="hidden" value="16"/>
    <input name="VMS_Title" type="hidden" value="Sustainable Packaging Soluti
ons"/>
    <input name="Sector" type="hidden" value=""/>
    <input name="content_type" type="hidden" value="Buyers Guide"/>
    <input name="VMS_Whitepaper_URL" type="hidden" value="https://www.packagi

```

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ng-gateway.com/automated-buyers-guide/?id=72681"/>
  <input name="handler" type="hidden" value="https://api.hsforms.com/submis
sions/v3/integration/secure/submit/26632421/45111318-5974-42e9-85be-b1e28d082813"/>
  <input name="handler_restapi" type="hidden" value=""/>
  <input name="VMS_Form_Download_Date" type="hidden" value="August 5, 2023
17:55:42"/>
  <!-- <input type="hidden" name="permutive_user_id" value="">

                                <input type="hidden" name="error_location" value=htt
ps://www.packaging-gateway.com?error_location=1>-->
  <input name="Permutive_ID" type="hidden" value=""/>
  <input name="VMS_Form" type="hidden" value="Whitepaper"/>
  <!-- <input type="hidden" name="pmg_redirect" value="">-->
  <input class="enquiry-form-show_2" name="utm_source" type="hidden" value
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  <input class="enquiry-form-show_2" name="utm_medium" type="hidden" value
="16-72681"/>
  <input class="enquiry-form-show_2" name="utm_campaign" type="hidden" valu
e="download-buyers-guide-form"/>
  <span class="c-story--whitepaper__wrapper__terms">
    By downloading this case study, you acknowledge that GlobalData may shar
e your information with
    <a href="">
      Packaging Buyers Guide
    </a>
    and that your personal data will be used as described in their
    <a href="" target="_blank">
      Privacy Policy
    </a>
  </span>
  <button class="c-btn enquiry__button" onclick="VMSformValidation(this.for
m, this.form.Email, this.form.first_name, this.form.last_name, this.form.Company, th
is.form.job_title, this.form.country, this.form.countrycode, this.form.phone,this.fo
rm.sendGR)" type="submit" value="submit">
    Submit
  </button>
  <span class="c-story--whitepaper__wrapper__terms">
    Visit our
    <a href="https://www.globaldata.com/privacy-policy/" target="_blank">
      Privacy Policy
    </a>
    for more information about our services, how GlobalData may use, process
and share your personal data, including information on your rights in respect of you
r personal data and how you can unsubscribe from future marketing communications. O
ur services are intended for corporate subscribers and you warrant that the email ad
dress submitted is your corporate email address.
  </span>
</div>
<!-- enquiry-form-show_ -->
</form>
<!-- successMsg hidden -->
</div>
<!-- form-wrapper large-9 -->
<iframe id="formResult" name="formResult" src=" ">
</iframe>
</div>

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```

        <!-- .grid-x -->
    </div>
    <!-- sponsored-whitepaper sponsored hidden sponsored-with-form -->
    <p>
    </p>
    <div id="slot-three">
    </div>
    <p>
    </p>
    <!-- GPT AdSlot 3 for Ad unit 'Verdict/Verdict_In_Article' ### Size: [[670,22
0]] -->
    <div class="in-article-desktop-only-dfp-ad-1" id="div-gpt-ad-8581390-1">
        <script>
            googletag.cmd.push(function() { googletag.display('div-gpt-ad-8581390-1');
});
        </script>
    </div>
    <!-- End AdSlot 3 -->
    <div class="share share-bottom">
        <span>
            Share this article
        </span>
        <div class="share__list">
            <a class="share__link icon-email" href="mailto:type%20email%20address%20her
e?subject=I%20wanted%20to%20share%20this%20post%20with%20you%20from%20Packaging%20Ga
teway&body=Are%20the%20top%20five%20FMCg%20companies%20leading%20the%20way%20on%
20circularity?%20-%20https://www.packaging-gateway.com/features/are-the-top-five-fmc
g-companies-leading-the-way-on-circularity/" target="_blank" title="">
                
            </a>
            <a class="share__link icon-linkedin" href="http://www.linkedin.com/shareArti
cle?mini=true&url=https://www.packaging-gateway.com/features/are-the-top-five-fm
cg-companies-leading-the-way-on-circularity/" target="_blank" title="">
                
            </a>
            <a class="share__link icon-twitter" href="https://twitter.com/intent/tweet?t
ext=Are+the+top+five+FMCg+companies+leading+the+way+on+circularity%3F%0a&url=htt
ps://www.packaging-gateway.com/features/are-the-top-five-fmcg-companies-leading-the-
way-on-circularity/&via=InsidePackaging" target="_blank" title="">
                
            </a>
            <a class="share__link icon-facebook" href="https://www.facebook.com/sharer/s
harer.php?u=https://www.packaging-gateway.com/features/are-the-top-five-fmcg-compani
es-leading-the-way-on-circularity/" target="_blank" title="">
                
            </a>
        </div>
    </div>
    </div>
    <div class="article-grid article-grid-column cell large-2 sidebar sidebar-conte
nt sidebar-scalar disktop-useragent-scalar">
        <div class="widget promoted-reports recommended-whitepapers">

```

```

<h3 class="border-bottom mb">
  Recommended Reports
</h3>
<ul>
  <li class="grid-x">
    <div class="cell small-2">
      <figure>
        <a href="https://www.globaldata.com/store/report/packaging-industry-m-and
-a-deals-by-theme-quarterly-analysis?scalar=true&pid=76591&sid=16">
          
        </a>
      </figure>
    </div>
    <div class="cell small-10 details">
      <div class="category">
        <a href="https://www.globaldata.com/store/industry/packaging-market/" tar
get="_blank">
          Reports
        </a>
      </div>
      <h4>
        <a href="https://www.globaldata.com/store/report/packaging-industry-m-and
-a-deals-by-theme-quarterly-analysis?scalar=true&pid=76591&sid=16" target="_
blank">
          Packaging Industry Mergers and Acquisitions Deals by Top Themes in Q1 20
22 - Thematic Research
        </a>
      </h4>
      <div class="byline">
        <a href="https://www.globaldata.com/">
          GlobalData
        </a>
      </div>
    </div>
  </li>
</ul>
<span class="view-all" style="
">
  <a class="c-widget__link--all new-window" href="https://www.globaldata.com/s
tore/industry/packaging-market/" target="_blank">
    View all
  </a>
</span>
</div>
<!-- .grid-x -->
<!-- .recommended-reports -->
<div class="related-company-profiles">
  <header>
    <h3>
      Companies Intelligence
    </h3>
  </header>
  <div class="grid-x">

```

```

<article class="cell large-12">
  <h4>
    <a href="https://www.globaldata.com/store/?s=PepsiCo Inc&scalar=true&
mp;searchKeyName=companyname&wpsolr_sort=publication_date_str_desc&pid=76591
&sid=16" target="_blank">
      PepsiCo Inc
    </a>
  </h4>
</article>
<article class="cell large-12">
  <h4>
    <a href="https://www.globaldata.com/store/report/?cdmsid=1720265&scala
r=true&pid=76591&sid=16" target="_blank">
      Anheuser-Busch InBev NV/SA
    </a>
  </h4>
</article>
<article class="cell large-12">
  <h4>
    <a href="https://www.globaldata.com/store/?s=Coca-Cola Europacific Partner
s Plc&scalar=true&searchKeyName=companyname&wpsolr_sort=publication_date
_str_desc&pid=76591&sid=16" target="_blank">
      Coca-Cola Europacific Partners Plc
    </a>
  </h4>
</article>
<article class="cell large-12 hidecmp">
  <h4>
    <a href="https://www.globaldata.com/store/?s=AB InBev UK Ltd&scalar=tr
ue&searchKeyName=companyname&wpsolr_sort=publication_date_str_desc&pid=7
6591&sid=16" target="_blank">
      AB InBev UK Ltd
    </a>
  </h4>
</article>
<article class="cell large-12 hidecmp">
  <h4>
    <a href="https://www.globaldata.com/store/?s=Coca-Cola GmbH&scalar=tru
e&searchKeyName=companyname&wpsolr_sort=publication_date_str_desc&pid=76
591&sid=16" target="_blank">
      Coca-Cola GmbH
    </a>
  </h4>
</article>
<span class="view-all" style="">
  <a class="c-widget__link--all comp-view new-window" href="https://www.globa
ldata.com/companies/listing/search/" style="
" target="_blank">
    View all
  </a>
</span>
</div>
<!-- .grid-x -->
</div>
<div class="author-container desktop-only">

```

```

<div class="author-avatar avatar">
  <div class="avatar-image__container">
    <a href="https://www.packaging-gateway.com/author/ryanellington/">
      
    </a>
  </div>
  <div class="avatar-name__container">
    <h3 class="author-name">
      <a href="https://www.packaging-gateway.com/author/ryanellington/">
        Ryan Ellington
      </a>
    </h3>
    <h4 class="author-social-link">
    </h4>
  </div>
</div>
<div class="author-meta">
  <div class="author-info">
    <h4 class="author-description">
    </h4>
  </div>
</div>
</div>
<!-- .companies-intelligence -->
<!-- .data-feeds -->
<script type="text/javascript">
  var hideshowcmpsExist = document.getElementsByClassName('hideshowcmps');
if (hideshowcmpsExist.length > 0) {
  document.getElementById("hideshowcmps").addEventListener("click", function(event) {
    event.preventDefault()
    let x = document.getElementsByClassName("hidecmp");
    for (let i = 0; i < x.length; i++) {
      x.item(i).classList.toggle("showcmp")
    }

    var viewmore_btn = this.innerHTML;
    var viewless_btn = document.createElement('viewless_btn');
    viewless_btn.innerHTML = viewmore_btn;

    if (viewless_btn.innerText === "View More") {
      this.innerHTML = "View Less";
    } else {
      this.innerHTML = "View More";
    }
  });
}

</script>
</div>
<!-- .sidebar-content -->
</div>
</section>
</main>
<!-- end #main-wrapper -->
<div class="catfish">

```

```

<div class="banner catfish-banner">
  <a class="catfish-banner-a" href="#catfish" id="catfish-banner-a">
    <div class="banner-content catfish-banner-content" id="catfish-banner-content">
      <div class="grid-x">
        <figure class="cell small-3">
          
        </figure>
        <div class="cell small-9 text">
          <h4 id="catfish-banner-heading">
            Sign up for our daily news round-up!
          </h4>
          <p class="mobile-only" id="catfish-banner-p-mobile">
            Give your business an edge with our leading industry insights.
          </p>
          <p class="desktop-only" id="catfish-banner-p-desktop">
            Give your business an edge with our leading industry insights.
          </p>
        </div>
      </div>
      <div class="close catfish-banner-close">
        close
      </div>
    </div>
  </a>
</div>
<!-- .banner -->
<section class="block-ctf-newsletter catfish-newsletter-container">
  <div class="close catfish-newsletter-container-close" id="close-trigger">
    close
  </div>
  <div class="grid-container">
    <span class="leadsucessmsg" style="font-size:20px;color:green">
    </span>
    <span class="leaderrormsg" style="font-size:20px;color:red">
    </span>
    <div class="grid-x">
      <div class="cell large-6 large-offset-3">
        <div class="form-wrapper">
          <div class="grid-x grid-padding-x">
            <div class="cell large-12">
              <h4>
                Sign up to the newsletter
              </h4>
            </div>
          </div>
          <form action="" class="form catfish-newsletter-form" enctype="text/plain" id="newsletterForm_1" method="post" name="newsletterForm">
            <div class="grid-x grid-padding-x">
              <div class="cell small-12 column">
                <div class="form-group" style="opacity: 1;">
                  <!-- <h6>Your corporate email address</h6> -->
                  <input id="checkEmail" name="email" onkeyup="checkNewslettersEmail(this.form.email);" required="" type="text"/>
                  <span class="floating-label">
                    Your corporate email address *

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        </span>
        <small>
        </small>
        <input id="temp_email" name="temp_email" type="hidden" value=""/>
    </div>
</div>
<div class="grid-x grid-padding-x">
    <div class="cell large-6 column">
        <div class="form-group" style="opacity: 1;">
            <input id="checkFirstName" name="firstname" required="" type="text"/>
            <span class="floating-label">
                First name *
            </span>
            <small>
            </small>
        </div>
    </div>
    <div class="cell large-6 column">
        <div class="form-group" style="opacity: 1;">
            <input id="checkLastName" name="lastname" required="" type="text"/>
            <span class="floating-label">
                Last name *
            </span>
            <small>
            </small>
        </div>
    </div>
</div>
<div class="grid-x grid-padding-x">
    <div class="cell large-6 column">
        <div class="form-group" style="opacity: 1;">
            <input id="checkCompany" name="Company" required="" type="text"/>
            <span class="floating-label">
                Company name *
            </span>
            <small>
            </small>
        </div>
    </div>
    <div class="cell large-6 column">
        <div class="form-group" style="opacity: 1;">
            <input id="checkJobTitle" name="jobtitle" required="" type="text"/>
            <span class="floating-label">
                Job title *
            </span>
            <small>
            </small>
        </div>
    </div>
</div>
<div class="checkboxes-and-submit">
    <div class="newsletter-checkboxes">
        <div id="pardot_data">
            <input data-pardoturl="https://api.hsforms.com/submissions/v3/integratio
n/secure/submit/26632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e" id="coll_1174" name

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="collection[]" type="hidden"/>
    </div>
    <!-- #pardot_data -->
    <input id="pardot_1174" name="collpardotlink[]" type="hidden" value="http
s://api.hsforms.com/submissions/v3/integration/secure/submit/26632421/ad95bb32-c5a6-
49b9-b3e2-9f7cc000d30e"/>
    <div class="details_box Verdict_Privacy_opt_in pd-checkbox">
        <p class="Verdict_Privacy_opt_in pd-checkbox required no-label block-che
ckbox">

            <span class="value">
                <span>
                    <input checked="" class="checkboxinput" id="_pardot-1" name="news_for
m_key_name[]" type="checkbox" value="https://api.hsforms.com/submissions/v3/integrat
ion/secure/submit/26632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e||packaging_gateway_d
aily__c"/>

                    <label class="inline" for="collection">
                        Newsletter: In Brief
                    </label>
                </span>
            </span>
        </p>
        <div id="error_for_375012_477245pi_375012_477245" style="display:none">
        </div>
    </div>
    <!-- .details_box Verdict_Privacy_opt_in pd-checkbox -->
    <div class="details_box Verdict_Privacy_opt_in pd-checkbox">
        <p class="Verdict_Privacy_opt_in pd-checkbox required no-label block-che
ckbox">

            <span class="value">
                <span>
                    <input checked="" class="checkboxinput" id="_pardot-2" name="news_for
m_key_name[]" type="checkbox" value="https://api.hsforms.com/submissions/v3/integrat
ion/secure/submit/26632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e||packaging_gateway_d
igital_magazine__c"/>

                    <label class="inline" for="collection">
                        Digital Magazine
                    </label>
                </span>
            </span>
        </p>
        <div id="error_for_375012_477245pi_375012_477245" style="display:none">
        </div>
    </div>
    <!-- .details_box Verdict_Privacy_opt_in pd-checkbox -->
    <div class="details_box Verdict_Privacy_opt_in pd-checkbox">
        <p class="Verdict_Privacy_opt_in pd-checkbox required no-label block-che
ckbox">

            <span class="value">
                <span>
                    <input checked="" class="checkboxinput" id="_pardot-3" name="news_for
m_key_name[]" type="checkbox" value="https://api.hsforms.com/submissions/v3/integrat
ion/secure/submit/26632421/ad95bb32-c5a6-49b9-b3e2-9f7cc000d30e||digital_magazine__t
hematic_take"/>

                    <label class="inline" for="collection">
                        Digital Magazine: Thematic Take
                    </label>
                </span>
            </span>
        </p>
    </div>

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        </span>
    </span>
</p>
<div id="error_for_375012_477245pi_375012_477245" style="display:none">
</div>
</div>
<!-- .details_box Verdict_Privacy_opt_in pd-checkbox -->
</div>
<!-- .newsletter-checkboxes -->
<div class="gdpr-consent">
    <div class="details_box form-group">
        <p class="Verdict_Privacy_opt_in pd-checkbox required no-label block-che
ckbox">
            <input class="consent-checkbox" id="enq-gdpr" name="consent" onchange
=""" required="" type="checkbox" value="I consent to Verdict Media Limited collecting
my details provided via this form in accordance with Privacy Policy"/>
            <span class="inline" for="consent">
                I consent to Verdict Media Limited collecting my details provided via
this form in accordance with
                <a href="https://www.verdict.co.uk/privacy-policy/" target="_blank">
                    Privacy Policy
                </a>
            </span>
        </p>
        <small>
        </small>
    </div>
</div>
<!-- .gdpr-consent -->
<label for="captcha">
    <div class="g-recaptcha" data-sitekey="6LcqBjQUAAAAAOM0OoVcGhdeuwRaYeG44r
fzGqtv">
        </div>
        <small id="captcha">
        </small>
    </label>
    <div class="submit-button-container">
        <input id="recaptch_secret_key" name="Recaptcha_Secret_Key" type="hidden"
value="6LcqBjQUAAAAAHJi7uKe3jwmQA26s7l09YBI1KTr"/>
        <div class="tempCode">
            <input autocomplete="off" id="tempcode" name="tempcode" tabindex="-1" ty
pe="hidden" value=""/>
        </div>
        <input name="Country" type="hidden" value="NA"/>
        <input name="Industry" type="hidden" value="NA"/>
        <input name="jobfunction" type="hidden" value="Administrative"/>
        <button class="button" id="formSubmitBtn" onclick="validateMyForm(this.fo
rm, this.form.email, this.form.firstname, this.form.lastname, this.form.Company, thi
s.form.jobtitle, this.form.consent);" type="button">
            Subscribe
        </button>
    </div>
<!-- .submit-button-container -->
<input name="Permutive_ID" type="hidden" value=""/>
<input name="utm_source_last_touch__c" type="hidden" value=""/>
<input name="utm_medium_last_touch__c" type="hidden" value=""/>

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        <input name="utm_campaign_last_touch__c" type="hidden" value=""/>
    </div>
</form>
<!-- .form-wrapper -->
</div>
<!-- .cell large-6 large-offset-3 -->
</div>
<!-- .grid-x -->
</div>
<!-- .grid-container -->
</div>
</section>
<!-- Start of HubSpot Embed Code -->
<div class="thank-you-message catfish-thank-you-message">
    <h2>
        Thank you for subscribing
    </h2>
    <p>
        <a href="https://www.packaging-gateway.com/all-newsletters/">
            View all newsletters
        </a>
        from across the GlobalData Media network.
    </p>
    <div class="close catfish-thank-you-message-close">
        close
    </div>
</div>
<!-- .thank-you-message -->
</div>
<!-- .catfish -->
<!-- Footer -->
<footer class="footer-container grid-x" id="footer">
    <div class="footer-wrapper grid-x">
        <div class="main-footer-col medium-6">
            
            <p class="footer-excerpt">
                The leading site for news and procurement in the packaging industry
            </p>
            <div class="share">
                <div class="share__list">
                    <a class="share__link icon-linkedin" href="https://www.linkedin.com/company/packaging-gateway-inside-packaging" target="_blank" title="">
                        
                    </a>
                    <a class="share__link icon-twitter" href="https://twitter.com/InsidePackaging" target="_blank" title="">
                        
                    </a>
                    <a class="share__link icon-facebook" href="https://www.facebook.com/globaldataapl/" target="_blank" title="">
                        
                    </a>
                </div>
            </div>
        </div>
    </div>
</footer>

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        </a>
      </div>
    </div>
  </div>
  <div class="footer-cols grid-x medium-5">
    <nav class="footer-nav medium-6">
      <ul class="footer-nav-list">
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-76303" id="menu-item-76303">
          <a href="https://www.packaging-gateway.com/about-us-online/">
            About us
          </a>
        </li>
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-76306" id="menu-item-76306">
          <a href="https://www.packaging-gateway.com/advertise-with-us/">
            Advertise with us
          </a>
        </li>
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-80562" id="menu-item-80562">
          <a href="https://www.packaging-gateway.com/license-our-content/">
            License our content
          </a>
        </li>
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-76290" id="menu-item-76290">
          <a href="https://www.packaging-gateway.com/contact-us/" rel="nofollow">
            Contact us
          </a>
        </li>
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-76291" id="menu-item-76291">
          <a href="https://www.packaging-gateway.com/editorial-standards/">
            Editorial approach
          </a>
        </li>
        <li class="menu-item menu-item-type-post_type menu-item-object-page menu-item
-76304" id="menu-item-76304">
          <a href="https://www.packaging-gateway.com/all-newsletters/">
            Newsletters
          </a>
        </li>
        <li class="menu-item menu-item-type-custom menu-item-object-custom menu-item-
76305" id="menu-item-76305">
          <a href="https://www.verdictmediastrategies.com/">
            Our marketing solutions
          </a>
        </li>
      </ul>
    </nav>
    <div class="copyright-col medium-6">
      <ul class="">
        <li class="menu-item menu-item-type-custom menu-item-object-custom menu-item-
64637" id="menu-item-64637">
          <a class="c-nav-hamburger-menu__link" href="https://www.globaldata.com/priva

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cy-policy/">
    Privacy policy
  </a>
</li>
<li class="menu-item menu-item-type-custom menu-item-object-custom menu-item-76308" id="menu-item-76308">
  <a class="c-nav-hamburger-menu__link" href="https://www.globaldata.com/terms-conditions/">
    Terms and conditions
  </a>
</li>
<li class="menu-item menu-item-type-post_type menu-item-object-page menu-item-85996" id="menu-item-85996">
  <a class="c-nav-hamburger-menu__link" href="https://www.packaging-gateway.com/sitemap/">
    Sitemap
  </a>
</li>
</ul>
<p class="footer-tag-line">
  Powered by
  <a href="https://www.globaldata.com" target="_blank">
    
  </a>
</p>
<p class="footer-copyright">
  © Verdict Media Limited 2023
</p>
</div>
</div>
</div>
</footer>
<!-- Start of HubSpot Embed Code -->
<script async="" defer="" id="hs-script-loader" src="//js-eu1.hs-scripts.com/26632421.js?businessUnitId=15641589" type="text/javascript">
</script>
<!-- End of HubSpot Embed Code -->
<script>
jQuery('.company-hover-tracking').hover(function() {
  jQuery(this).animate({
    height: '190px'
  }, 300);
}, function() {
  jQuery(this).animate({
    height: '100px'
  }, 300);
});

var hoverTime = 1000;
var elements = [].slice.apply(document.querySelectorAll('.company-hover-data'));
elements.forEach(function (el) {
  var timeout;
  el.addEventListener('mouseover', function (){

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```

var match = jQuery(this).attr('data-url');
var hovertitle = jQuery(this).find('h3').html();
var curpostid = jQuery(this).attr('id');
var getpostid = curpostid.replace('company', '');
(function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){
  (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement
(o),
  m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore
(a,m)
  })(window,document,'script','//www.google-analytics.com/analytics.js','g
a');
ga('create', '', {'allowAnchor': true});
ga('set', 'title', hovertitle);
ga('send', 'pageview', match);
/* if(!jQuery(this).hasClass("verify")){
  jQuery(this).addClass("verify");
  timeout = window.setTimeout(function () {
    permutive.track('TabClick', {
      article: {
        url: match,
        title:hovertitle
      }
    });
  }, hoverTime);
} */
});

</script>
<script>
  //jQuery('.preview-old').show();
</script>
<script>
function setCookie(cname, cvalue, exdays) {
  var d = new Date();
  d.setTime(d.getTime() + (exdays*24*60*60*1000));
  var expires = "expires="+ d.toUTCString();
  document.cookie = cname + "=" + cvalue + ";" + expires + ";path=/";
}

function getCookie(cname) {
  var name = cname + "=";
  var decodedCookie = decodeURIComponent(document.cookie);
  var ca = decodedCookie.split(';');
  for(var i = 0; i <ca.length; i++) {
    var c = ca[i];
    while (c.charAt(0) == ' ') {
      c = c.substring(1);
    }
    if (c.indexOf(name) == 0) {
      return c.substring(name.length, c.length);
    }
  }
  return "";
}

```

```

    permutive.once('Clearbit', function(clearbit){
    if((clearbit.properties.company) != null){
        var company_id = clearbit.properties.company.id;
    }
    else{
        var company_id = 'NA';
    }

    permutive.segment(23691, function(result){
        if (result && getCookie('globaldata_report') !== "shown") {
            jQuery('#globaldata_report').css('display','block');
            setCookie('globaldata_report', 'shown', 7)
            permutive.track('ipTarget', {
                company:company_id,
                target_reason: "Globaldata",
                content: "Download a free 10 page preview of our Mergers & A
acquisitions in TMT - Thematic Research 2019 Report",
                content_type: "targeted popup",
                content_url: "https://www.verdict.co.uk/download-a-free-10-p
age-preview-of-our-mergers-acquisitions-in-tmt-thematic-research-2019-report/"
            })
        }
    });

    permutive.segment(24097, function(result){
        if (result && getCookie('corporate_meed') !== "shown") {
            jQuery('#corporate_meed').css('display','block');
            setCookie('corporate_meed', 'shown', 7)
            permutive.track('ipTarget', {
                company:company_id,
                target_reason: "CorporateHealthAndWellness",
                content: "Why we believe workplace health and wellness is im
portant",
                content_type: "targeted popup",
                content_url: "https://www.corporatehealthandwellness.meed.co
m/why-we-believe-workplace-health-and-wellness-is-important/"
            })
        }
    });

    permutive.segment(33716, function(result){
        if (result && getCookie('oracle_meed') !== "shown") {
            jQuery('#oracle_meed').css('display','block');
            setCookie('oracle_meed', 'shown', 7)
            permutive.track('ipTarget', {
                company:company_id,
                target_reason: "Oracle",
                content: "Q&A with Baraq Hadi: Vice President Middle East, O
racle Construction and Engineering",
                content_type: "targeted popup",
                content_url: "https://innovation.meed.com/qa-with-baraq-hadi
-vice-president-middle-east-oracle-construction-and-engineering/"
            })
        }
    });

    permutive.segment(40190, function(result){

```

```

if (result && getCookie('Smartstream') !== "shown") {
jQuery('#Smartstream').css('display','block');
setCookie('Smartstream', 'shown', 7)
    permutive.track('ipTarget', {
        company:company_id,
        target_reason: "Smartstream",
        content: "Fit for the future, whatever it looks like",
        content_type: "targeted popup",
        content_url: "https://www.verdict.co.uk/private-banker-inter
national/future-banking-technology/fit-for-the-future-whatever-it-looks-like/"
    })
}
});

permutive.segment(30918, function(result){
    if (result && getCookie('target-novotech') !== "shown") {
jQuery('#target-novotech').css('display','block');
setCookie('target-novotech', 'shown', 1)
        permutive.track('ipTarget', {
            company:company_id,
            target_reason: "Accelerating Clinical Trials",
            content: "Clinical Trial Continuity in Asia-Pacific during t
he COVID-19 pandemic",
            content_type: "targeted popup",
            content_url: "https://www.pharmaceutical-technology.com/spon
sored/clinical-trial-continuity-in-asia-pacific-during-the-covid-19-pandemic/"
        })
    }
});

permutive.segment(21482, function(result){
    if (result && getCookie('target-normet') !== "shown") {
jQuery('#target-normet').css('display','block');
setCookie('target-normet', 'shown', 1)
        permutive.track('ipTarget', {
            company:company_id,
            target_reason: "Normet",
            content: "A sneak peek into Canada's largest transit expansi
on",
            content_type: "targeted popup",
            content_url: "https://www.mining-technology.com/future-of-mi
ning/a-sneak-peek-into-canadas-largest-transit-expansion"
        })
    }
});

permutive.segment(33196, function(result){
    if (result && getCookie('target-sandvik') !== "shown") {
jQuery('#target-sandvik').css('display','block');
setCookie('target-sandvik', 'shown', 1)
        permutive.track('ipTarget', {
            company:company_id,
            target_reason: "Sandvik",
            content: "Precision wire for vascular therapy: How EXERA® ri
ses to the challenge",
            content_type: "targeted popup",

```

```

        content_url: "https://www.medicaldevice-network.com/precision-medical-wire/precision-wire-for-vascular-therapy-how-exera-rises-to-the-challenge"
    })
}
});

    })
</script>
<script>
    jQuery( document ).ready(function() {
        addParam();

        function vmsnewTargetpopup(p1,p2,p3){
            if( p1 != null && p2 != null ) {
                jQuery.ajax({
                    type: "POST",
                    url: "https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/target_modal.php",
                    dataType: "html",
                    data: {
                        "segmentid": p1,
                        "blogid": p2,
                    },
                    success: function(data){
                        if(!data){
                            //setCookie("target-"+p1+"_"+"16", 'shown',
1);

                        }else{
                            jQuery(p3).html(data);
                            //setCookie("target-"+p1+"_"+"16", 'shown',
1);

                        }
                    }
                });
            }
        }

        var per_loop =1;
        permutive.segment(83486, function(result){
            if(per_loop<4){
                if (result) {
                    console.log(result);
                    //console.log(83486);
                    if(per_loop==1){
                        vmsnewTargetpopup(83486, 17, '#resultnew');
                    }if(per_loop==2){
                        vmsnewTargetpopup(83486, 17, '#resultnew_secondary');
                    }if(per_loop==3){
                        vmsnewTargetpopup(83486, 17, '#resultnew_third');
                    }
                    per_loop++;
                }
            }
        });
    });

```

```

permutive.segment(108497, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(108497);
            if(per_loop==1){
                vmsnewTargetpopup(108497, 24, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(108497, 24, '#resultnew_secondar
y');

            }if(per_loop==3){
                vmsnewTargetpopup(108497, 24, '#resultnew_third');
            }
            per_loop++;
        }
    }

});

permutive.segment(154734, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(154734);
            if(per_loop==1){
                vmsnewTargetpopup(154734, 16, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(154734, 16, '#resultnew_secondar
y');

            }if(per_loop==3){
                vmsnewTargetpopup(154734, 16, '#resultnew_third');
            }
            per_loop++;
        }
    }

});

permutive.segment(88696, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(88696);
            if(per_loop==1){
                vmsnewTargetpopup(88696, 26, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(88696, 26, '#resultnew_secondary');
            }if(per_loop==3){
                vmsnewTargetpopup(88696, 26, '#resultnew_third');
            }
            per_loop++;
        }
    }

});

```



```
});

permutive.segment(141531, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(141531);
            if(per_loop==1){
                vmsnewTargetpopup(141531, 7, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(141531, 7, '#resultnew_secondary');
            }if(per_loop==3){
                vmsnewTargetpopup(141531, 7, '#resultnew_third');
            }
            per_loop++;
        }
    }
});

permutive.segment(89181, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(89181);
            if(per_loop==1){
                vmsnewTargetpopup(89181, 16, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(89181, 16, '#resultnew_secondary');
            }if(per_loop==3){
                vmsnewTargetpopup(89181, 16, '#resultnew_third');
            }
            per_loop++;
        }
    }
});

permutive.segment(61894, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(61894);
            if(per_loop==1){
                vmsnewTargetpopup(61894, 24, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(61894, 24, '#resultnew_secondary');
            }if(per_loop==3){
                vmsnewTargetpopup(61894, 24, '#resultnew_third');
            }
            per_loop++;
        }
    }
});
```

```

    }

    });

    permutive.segment(128758, function(result){
        if(per_loop<4){
            if (result) {
                console.log(result);
                //console.log(128758);
                if(per_loop==1){
                    vmsnewTargetpopup(128758, 16, '#resultnew');
                }if(per_loop==2){
                    vmsnewTargetpopup(128758, 16, '#resultnew_secondar
y');

                }if(per_loop==3){
                    vmsnewTargetpopup(128758, 16, '#resultnew_third');
                }
                per_loop++;
            }
        }

    });

    permutive.segment(162272, function(result){
        if(per_loop<4){
            if (result) {
                console.log(result);
                //console.log(162272);
                if(per_loop==1){
                    vmsnewTargetpopup(162272, 16, '#resultnew');
                }if(per_loop==2){
                    vmsnewTargetpopup(162272, 16, '#resultnew_secondar
y');

                }if(per_loop==3){
                    vmsnewTargetpopup(162272, 16, '#resultnew_third');
                }
                per_loop++;
            }
        }

    });

    permutive.segment(52788, function(result){
        if(per_loop<4){
            if (result) {
                console.log(result);
                //console.log(52788);
                if(per_loop==1){
                    vmsnewTargetpopup(52788, 16, '#resultnew');
                }if(per_loop==2){
                    vmsnewTargetpopup(52788, 16, '#resultnew_secondary');
                }if(per_loop==3){
                    vmsnewTargetpopup(52788, 16, '#resultnew_third');
                }
            }
        }
    });

```

```

        per_loop++;

    }
}

});

permutive.segment(47155, function(result){
    if(per_loop<4){
        if (result) {
            console.log(result);
            //console.log(47155);
            if(per_loop==1){
                vmsnewTargetpopup(47155, 26, '#resultnew');
            }if(per_loop==2){
                vmsnewTargetpopup(47155, 26, '#resultnew_secondary');
            }if(per_loop==3){
                vmsnewTargetpopup(47155, 26, '#resultnew_third');
            }
            per_loop++;
        }
    }

});

});
</script>
<!-- Corner Modals End here -->
<script>
    document.addEventListener("DOMContentLoaded", function(event) {
        let preFooter = document.createElement('div');
        preFooter.className= 'pre-footer-subscribe';
        preFooter.innerHTML = `
            <a class="pre-footer-subscribe__all-newsletters" href="https://www.packaging-gateway.com/all-newsletters">
                <img src='https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/images/eye.svg' alt=''>
                <span class="text">View all newsletters</span>
                <span class="icon-chevron-right"></span>
            </a>

            <div class="pre-footer-subscribe__click" onclick="showPopUp('newsletter')">
                <figure class="pre-footer-subscribe__figure">
                    <div class="lines"></div>
                </figure>
                <span class="text">
                    Receive our newsletter - data, insights and analysis delivered to you
                <span class="icon-chevron-right"></span></span>
            </div>
        `;

        var cfooterExist = document.getElementsByClassName('c-footer');
        if (cfooterExist.length > 0) {
            document.querySelector('footer.c-footer').before(preFooter);
        }
    });

```

```

    })
  </script>
  <!--this line was after line no 13, <img src='-B2B/assets/img/newsletter-icon.svg'
alt=''>-->
  <script>
    jQuery('.c-related-companies-article__single').hover(function() {
      var hoverTime = 1000;
      var elements = [].slice.apply(document.querySelectorAll('.c-related-companie
s-article__single'));
      elements.forEach(function (el) {
        var timeout;
        el.addEventListener('mouseover', function () {
          var match = jQuery(this).attr('data-url');
          var hovertitle = jQuery(this).attr('data-target');
          var curpostid = jQuery(this).attr('id');
          var getpostid = curpostid.replace('company', '');
          if(!jQuery(this).hasClass("verify")){
            jQuery(this).addClass("verify");
            timeout = window.setTimeout(function () {
              permutive.track('TabClick', {
                article: {
                  url: match,
                  title:hovertitle
                }
              });
            }, hoverTime);
          }
        });
      });
    });

  </script>
  <script>
    jQuery( document ).ready(function() {
      function vmsnewTargetpopup(p1,p2,p3){
        jQuery.ajax({
          type: "POST",
          url: "https://www.packaging-gateway.com/wp-admin/admin-ajax.php",
          data: {
            action: 'In_Article_Ad_Slots',
            segmentid: p1,
            blogid: p2,

          },
          success: function(data){
            if(!jQuery.trim(data)){
            }else{
              jQuery(p3).html(data);
            }
          }
        });
      }
    });
  }

  var per_loop =1;
  if(typeof(crbTracker.permutive.workspaceID) != "undefined" && crbTracker.per

```

```

mutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPIKey) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(88696, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(88696, 26, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(88696, 26, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(88696, 26, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

        if(typeof(crbTracker.permutive.workspaceID) !== "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(89181, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(89181, 16, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(89181, 16, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(89181, 16, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

        if(typeof(crbTracker.permutive.workspaceID) !== "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(83486, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(83486, 17, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(83486, 17, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(83486, 17, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

```

```

    }
    }

});
}

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) != "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(128758, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(128758, 16, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(128758, 16, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(128758, 16, '#slot-three');
            }
            per_loop++;
        }
    }

});
}

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) != "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(162272, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(162272, 16, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(162272, 16, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(162272, 16, '#slot-three');
            }
            per_loop++;
        }
    }

});
}

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) != "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(154734, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(154734, 16, '#slot-one');
            }
        }
    }
});
}

```

```

        }if(per_loop==2){
            vmsnewTargetpopup(154734, 16, '#slot-two');
        }if(per_loop==3){
            vmsnewTargetpopup(154734, 16, '#slot-three');
        }
        per_loop++;

    }
}

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) != "undefined" && crbTracker.permutive.publicAPIKey !== null) {
    permutive.segment(52788, function(result){
        if(per_loop<4){
            if (result) {
                if(per_loop==1){
                    vmsnewTargetpopup(52788, 16, '#slot-one');
                }if(per_loop==2){
                    vmsnewTargetpopup(52788, 16, '#slot-two');
                }if(per_loop==3){
                    vmsnewTargetpopup(52788, 16, '#slot-three');
                }
                per_loop++;

            }
        }

    });
}

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) != "undefined" && crbTracker.permutive.publicAPIKey !== null) {
    permutive.segment(141531, function(result){
        if(per_loop<4){
            if (result) {
                if(per_loop==1){
                    vmsnewTargetpopup(141531, 7, '#slot-one');
                }if(per_loop==2){
                    vmsnewTargetpopup(141531, 7, '#slot-two');
                }if(per_loop==3){
                    vmsnewTargetpopup(141531, 7, '#slot-three');
                }
                per_loop++;

            }
        }

    });
}

```

```

        if(typeof(crbTracker.permutive.workspaceID) != "undefined" &

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```

& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(47155, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(47155, 26, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(47155, 26, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(47155, 26, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

        if(typeof(crbTracker.permutive.workspaceID) !== "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(108497, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(108497, 24, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(108497, 24, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(108497, 24, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

        if(typeof(crbTracker.permutive.workspaceID) !== "undefined" &
& crbTracker.permutive.workspaceID !== null && typeof(crbTracker.permutive.publicAPI
Key) !== "undefined" && crbTracker.permutive.publicAPIKey !== null) {
permutive.segment(61894, function(result){
    if(per_loop<4){
        if (result) {
            if(per_loop==1){
                vmsnewTargetpopup(61894, 24, '#slot-one');
            }if(per_loop==2){
                vmsnewTargetpopup(61894, 24, '#slot-two');
            }if(per_loop==3){
                vmsnewTargetpopup(61894, 24, '#slot-three');
            }
            per_loop++;
        }
    }
});
}

```



```

    }
    }

    });
}

    });

</script>
<!-- wpsolr - ajax auto completion nonce -->
<input id="wpsolr_autocomplete_nonce" type="hidden" value="edf50dcfe7"/>
<script id="ha-recaptcha-js" src="https://www.google.com/recaptcha/api.js?ver=1.0"
type="text/javascript">
</script>
<script id="Sgpolls0-js-extra" type="text/javascript">
/* <![CDATA[ */
var Sgpolls = {"ajax_url":"https://www.packaging-gateway.com/wp-admin/admin-aj
x.php","polls":["https://www.surveygizmo.eu/s3/90254976/All-sites-Poll-1-Compan
y-s-Growth-Prospects?r=true&","https://www.surveygizmo.eu/s3/90255077/All-sites
-Poll-2-Concern-on-COVID-19?r=true&","https://survey.alchemer.eu/s3/90598199/T-
T-Poll-33-Travel-itineraries-Planning-and-research"],"options":{"title":false,"sourc
e":false,"userid":0,"usersid":"","time":false},"css":["@import https://live-b2b-g
dm-figaro1.pantheonsite.io/wp-content/themes/goodlife-wp-B2B/assets/scss/main.
css"],"jsOptions":{"jspollsSeparate":"1","jspollsOrder":null,"jspollsCalc":"1"}};
/* ]]> */
</script>
<script id="Sgpolls0-js" src="https://www.packaging-gateway.com/wp-content/plugin
s/sgpolls/assets/iframeResizer.min.js?ver=2.0.c..1840514810" type="text/javascript">
</script>
<script id="Sgpolls1-js" src="https://www.packaging-gateway.com/wp-content/plugin
s/sgpolls/assets/parent.js?ver=2.0.c..1840514810" type="text/javascript">
</script>
<script id="crb-permutive-data-js" src="https://www.packaging-gateway.com/wp-conte
nt/plugins/verdict-tracking/js/permutiveData.js?ver=1.0.5" type="text/javascript">
</script>
<script id="nsmgscampaigns-js-extra" type="text/javascript">
/* <![CDATA[ */
var nsmgscampaigns = {"ajaxurl":"https://www.packaging-gateway.com/wp-admin/admi
n-ajax.php","nonce":"b350d9c16b"};
/* ]]> */
</script>
<script defer="" id="nsmgscampaigns-js" src="https://www.packaging-gateway.com/wp-
content/plugins/nsmg-campaigns/assets/public/js/main.js?ver=2.7" type="text/javascri
pt">
</script>
<script id="solr_auto_js1-js" src="https://www.packaging-gateway.com/wp-content/pl
ugins/wpsolr-pro-gd/wpsolr/core/js/devbridge/jquery.autocomplete.js?ver=22.9" type
="text/javascript">
</script>
<script id="urljs-js" src="https://www.packaging-gateway.com/wp-content/plugins/wp
solr-pro-gd/wpsolr/core/bower_components/jsurl/url.min.js?ver=22.9" type="text/javas
cript">
</script>
<script id="autocomplete-js-extra" type="text/javascript">
/* <![CDATA[ */
var wp_localize_script_autocomplete = {"data":{"wpsolr_v":"","ajax_url":"https://w
ww.packaging-gateway.com/wp-admin/admin-ajax.php","lang":"","is_show_url_parameter

```

```

s":true,"is_ajax":true,"SEARCH_PARAMETER_VIEW_ID":"wpsolr_v","SEARCH_PARAMETER_
S":"s","SEARCH_PARAMETER_SEARCH":"search","SEARCH_PARAMETER_Q":"wpsolr_q","SEARCH_PA
RAMETER_FQ":"wpsolr_fq","SEARCH_PARAMETER_SORT":"wpsolr_sort","SEARCH_PARAMETER_PAG
E":"wpsolr_page","SORT_CODE_BY_RELEVANCY_DESC":"sort_by_relevancy_desc","css_ajax_co
ntainer_page_title":".page-title","css_ajax_container_page_sort":".woocommerce-order
ing select,.select_field","css_ajax_container_results":".products,.results-by-facet
s","css_ajax_container_overlay":".products,.results-by-facets","css_ajax_container_p
agination":"nav.woocommerce-pagination,.paginate_div","css_ajax_container_pagination
_page":"a.page-numbers,a.paginate","css_ajax_container_results_count":".woocommerce-
result-count,.res_info","ajax_delay_ms":"","redirect_search_home":"","suggestions_ic
on":"https:\\\\www.packaging-gateway.com\\wp-content\\plugins\\wpsolr-pro-gd\\wpsolr
\\core\\images\\wpsolr-ajax-loader.gif","event_tracking":{"WPSOLR AJAX_EVENT_TRACKIN
G_ACTION":"wpsolr_event_tracking","SEARCH_PARAMETER_RESULTS_QUERY_ID":"wpsolr_rq","S
EARCH_PARAMETER_RESULTS_POSITION":"wpsolr_rp","SEARCH_PARAMETER_EVENT_TRACKING_NAM
E":"wpsolr_e","SEARCH_PARAMETER_EVENT_TRACKING_CLICK_RESULT":"cr","css_event_trackin
g_results":"","event_tracking_query_id":""},"wpsolr_autocomplete_is_active":true,"wp
solr_autocomplete_selector":[],"wpsolr_autocomplete_action":"wdm_return_solr_row
s","wpsolr_autocomplete_nonce_selector":"#wpsolr_autocomplete_nonce","wpsolr_is_sear
ch_admin":false}};
/* ]]> */
</script>
<script id="autocomplete-js" src="https://www.packaging-gateway.com/wp-content/plu
gins/wpsolr-pro-gd/wpsolr/core/js/autocomplete_solr.js?ver=22.9" type="text/javascri
pt">
</script>
<script id="loadingoverlay-js" src="https://www.packaging-gateway.com/wp-content/p
lugins/wpsolr-pro-gd/wpsolr/core/js/loadingoverlay/loadingoverlay.min.js?ver=22.9" t
ype="text/javascript">
</script>
<script id="infinitemscroll-js-extra" type="text/javascript">
/* <![CDATA[ */
var wp_localize_script_infinitemscroll = {"ajax_url":"https:\\\\www.packaging-gatewa
y.com\\wp-admin\\admin-ajax.php","loadimage":"https:\\\\www.packaging-gateway.com\\wp
-content\\plugins\\wpsolr-pro-gd\\wpsolr\\core\\images\\infinitemscroll.gif","loadin
gtext":"Loading ...","SEARCH_PARAMETER_Q":"wpsolr_q"};
/* ]]> */
</script>
<script id="infinitemscroll-js" src="https://www.packaging-gateway.com/wp-content/p
lugins/wpsolr-pro-gd/wpsolr/core/js/jquery.infinitemscroll.js?ver=22.9" type="text/ja
vascript">
</script>
<script id="Swiper-js" src="https://cdn.jsdelivrivr.net/npm/swiper@8/swiper-bundle.mi
n.js" type="text/javascript">
</script>
<script id="gdm-b2b-swiper-script-js" src="https://www.packaging-gateway.com/wp-co
ntent/themes/goodlife-wp-B2B/assets/js/swiper.js?ver=5.127" type="text/javascript">
</script>
<script id="sep-22-redesign-ui-script-js" src="https://www.packaging-gateway.com/w
p-content/themes/goodlife-wp-B2B/assets/js/sep-22-ui.js?ver=1.8" type="text/javascri
pt">
</script>
<script id="catfish-script-js" src="https://www.packaging-gateway.com/wp-content/t
hemes/goodlife-wp-B2B/assets/js/catfish.js?ver=1.322" type="text/javascript">
</script>
<script id="ab-test-script-js" src="https://www.packaging-gateway.com/wp-content/t
hemes/goodlife-wp-B2B/assets/js/abTest.js?ver=1.12" type="text/javascript">

```

```

</script>
<script id="plyr-js" src="https://cdn.plyr.io/3.6.3/plyr.polyfilled.js?ver=3.6.3"
type="text/javascript">
</script>
<script id="underscore-js" src="https://www.packaging-gateway.com/wp-includes/js/u
nderscore.min.js?ver=1.13.4" type="text/javascript">
</script>
<script id="thb-vendor-js" src="https://www.packaging-gateway.com/wp-content/theme
s/goodlife-wp/assets/js/vendor.min.js?ver=4.6.0" type="text/javascript">
</script>
<script id="thb-app-js-extra" type="text/javascript">
/* <![CDATA[ */
var themeajax = {"url":"https:\\\\www.packaging-gateway.com\\wp-admin\\admin-ajax.ph
p","l10n":{"loading":"Loading ...","nomore":"No More Posts"},"settings":{"viai_publi
sher_id":"431861828953521","thb_custom_video_player":"on"}};
/* ]]> */
</script>
<script id="thb-app-js" src="https://www.packaging-gateway.com/wp-content/themes/g
oodlife-wp/assets/js/app.min.js?ver=4.6.0" type="text/javascript">
</script>
<script id="wpsolr-facet-range-js-js" src="https://www.packaging-gateway.com/wp-co
ntent/plugins/wpsolr-pro-gd/wpsolr/pro/extensions/theme/template/facet-range/wpsolr-
facet-range.js?ver=22.9" type="text/javascript">
</script>
<script id="wpsolr-facet-color-picker-js-js" src="https://www.packaging-gateway.co
m/wp-content/plugins/wpsolr-pro-gd/wpsolr/pro/extensions/theme/template/facet-color-
picker/wpsolr-facet-color-picker.js?ver=22.9" type="text/javascript">
</script>
<script async="async" id="remote_sdk-js" src="https://cdn.onesignal.com/sdks/OneSi
gnalSDK.js?ver=6.2.2" type="text/javascript">
</script>
<script id="main-js-js" src="https://www.packaging-gateway.com/wp-content/plugins/
storefronts-gd/assets/js/app.js?ver=5.8.1" type="text/javascript">
</script>
<script id="Collapse-toggler-js-js" src="https://www.packaging-gateway.com/wp-cont
ent/themes/goodlife-wp-B2B/assets/js/collapseToggler.js?ver=1.1.0" type="text/javasc
ript">
</script>
<script id="Collapse-js-js" src="https://www.packaging-gateway.com/wp-content/them
es/goodlife-wp-B2B/assets/js/collapsible.js?ver=1.7.8" type="text/javascript">
</script>
<script id="Modal-js-js" src="https://www.packaging-gateway.com/wp-content/themes/
goodlife-wp-B2B/assets/js/modal.js?ver=1.7.9" type="text/javascript">
</script>
<script id="Swiper-js-js" src="https://www.packaging-gateway.com/wp-content/plugin
s/storefronts-gd/assets/vendor/swiper/swiper.js?ver=6.8.3" type="text/javascript">
</script>
<script id="gdm-slider-js-js" src="https://www.packaging-gateway.com/wp-content/pl
ugins/storefronts-gd/assets/js/swiper.js?ver=5.127" type="text/javascript">
</script>
<script id="gdm-vms-script-js" src="https://www.packaging-gateway.com/wp-content/p
lugins/vms-automation-gd/vms-script.js?ver=5.9.0" type="text/javascript">
</script>
<script data-cfasync="false" data-parsely-site="packaging-gateway.com" id="parsely
-cfg" src="https://cdn.parsely.com/keys/packaging-gateway.com/p.js?ver=2.6.1" type
="text/javascript">

```

```

</script>
<script id="jquery_latest-js" src="https://www.packaging-gateway.com/wp-content/th
emes/goodlife-wp-B2B/assets/js/jquery.min.js?ver=6.2.2" type="text/javascript">
</script>
<script id="detect_browsing-js" src="https://www.packaging-gateway.com/wp-content/
themes/goodlife-wp-B2B/assets/js/detect-private-browsing.js?ver=6.2.2" type="text/ja
vascript">
</script>
<aside class="mfp-hide thb-login-form light" id="thb-login">
<ul>
<li class="lost">
<a class="always" href="#">
Lost Password
</a>
<span class="back">
Back →
</span>
</li>
<li>
<a class="active" href="#">
Login
</a>
</li>
<li>
<a href="#">
Register
</a>
</li>
</ul>
<div class="thb-overflow-container">
<div class="thb-form-container">
<div class="thb-lost">
<form action="https://www.packaging-gateway.com/" id="thb_lost_form" method="p
ost">
<div class="thb-errors lost-errors">
</div>
<div class="form-field">
<input class="form-control required" id="thb_user_or_email" name="thb_user_o
r_email" placeholder="Username or E-mail" type="text"/>
</div>
<div class="form-field">
<input name="action" type="hidden" value="thb_reset_password"/>
<button class="btn" type="submit">
Get new password
</button>
</div>
<input id="password-security" name="password-security" type="hidden" value="0
50272aa68"/>
<input name="_wp_http_referer" type="hidden" value="/features/are-the-top-fiv
e-fmcg-companies-leading-the-way-on-circularity/">
</form>
</div>
<div class="thb-login">
<form action="https://www.packaging-gateway.com/" id="thb_login_form" method
="post">
<div class="thb-errors login-errors">

```

```

    </div>
    <div class="form-field">
      <input autocomplete="off" class="form-control required" name="thb_user_logi
n" placeholder="Username" type="text"/>
    </div>
    <div class="form-field">
      <input class="form-control required" id="thb_user_pass" name="thb_user_pass"
placeholder="Password" type="password"/>
    </div>
    <div class="form-field">
      <a class="lost_password" href="#">
        Lost Password?
      </a>
    </div>
    <div class="form-field last">
      <input name="action" type="hidden" value="thb_login_member"/>
      <button class="btn" type="submit">
        Login
      </button>
    </div>
    <input id="login-security" name="login-security" type="hidden" value="050272a
a68"/>
    <input name="_wp_http_referer" type="hidden" value="/features/are-the-top-fiv
e-fmcg-companies-leading-the-way-on-circularity/" />
  </form>
</div>
<div class="thb-register">
  <div class="alert alert-warning">
    Registration is disabled.
  </div>
</div>
</div>
</div>
</div>
<div class="hide">
  <svg class="comment_icon" enable-background="new 0 0 13 13" height="13px" viewBox
="0 0 13 13" width="13px" x="0px" xmlns="http://www.w3.org/200
0/svg" xmlns:xlink="http://www.w3.org/1999/xlink" y="0px">
    <path d="M12.7,0H0.3C0.134,0,0,0.128,0,0.286v9.143c0,0.157,0.134,0.286,0.3,0.286
h2.1v3c0,0.105,0.061,0.201,0.159,0.252
      C2.603,12.988,2.651,13,2.7,13c0.058,0,0.116-0.016,0.167-0.048l3.524-3.237H1
2.7c0.165,0,0.3-0.129,0.3-0.286V0.286
      C13,0.128,12.865,0,12.7,0z" id="comment_icon">
    </path>
  </svg>
</div>
<script type="text/javascript">
  var elem = document.getElementById("framecovid");
function openFullscreen() {
  if (elem.requestFullscreen) {
    elem.requestFullscreen();
  } else if (elem.mozRequestFullScreen) { /* Firefox */
    elem.mozRequestFullScreen();
  } else if (elem.webkitRequestFullscreen) { /* Chrome, Safari & Opera */
    elem.webkitRequestFullscreen();
  } else if (elem.msRequestFullscreen) { /* IE/Edge */

```

```

        elem.msRequestFullscreen();
    }
}
</script>
<style>
.covidspreaddata{
    font-size: 16px;
    padding: 6px 14px;
    color: #18a1cd;
    font-weight: normal;
    font-family: Roboto,sans-serif;
}
.covidspreaddata:hover{
    cursor: pointer;
}
</style>
<script>
function addParam() {
    for (var e = ["globaldata.com/store/", "pantheonsite.io"], n = ["scalar", "p
id", "sid", "utm_source", "utm_medium", "utm_campaign"],
        t = document.querySelectorAll("a"), o = 0; o < t.length; o++)
        for (var a = 0; a < e.length; a++) t[o].href.indexOf(e[a]) > -1 && -
1 === t[o].href.indexOf("#") && window.location.href.indexOf("?") > -1 && (t[o].href
= i(t[o].href));
    function i(e) {
        e = -1 === e.indexOf("?") ? e + "?" : e + "&";
        for (var t = [], o = 0; o < n.length; o++) r(n[o]) && t.push(n[o] +
"=" + r(n[o]));
        var a = e + t.join("&");
        return (a = a.replace(/&$/, "").replace(/\?$/, ""))
    }
    function r(e) {
        if (e = new RegExp("[?&]" + encodeURIComponent(e) + "=(^&]*)").exec
(window.location.search)) return decodeURIComponent(e[1])
    }
}

jQuery('.c-company-header__links-toggle-button, .c-company-header__form-toggle-butto
n, .menu-item-type-custom .c-nav-featured__menu-item-link, .btn-custom, .page-templa
te-template-aboutus-magazine .c-tabs-nav__tab').click(function(event) {

    // This will prevent the default action of the anchor
    event.preventDefault();

    // Failing the above, you could use this, however the above is recommended
    return false;

});
jQuery('.single-storefronts .c-tabs-nav__tab, .page-template-template-aboutus-online
.c-tabs-nav__tab, .page-template-template-aboutus-magazine .c-tabs-nav__tab').on('cli
ck', function(){

    jQuery('html,body').stop().animate({
        scrollTop: jQuery( jQuery(this).attr('href') ).offset().top - jQuery('.x-navba
r').height()
    },700 , 'swing');

```

```

});
</script>
<script type="text/javascript">
  jQuery( document ).ready(function() {
    window._uxa = window._uxa || [];
    var cname1='pageType:';
var cvalue1="post- details article page";

    window._uxa.push(['setCustomVariable', 1, cname1, cvalue1]);

    var cname2='pageCategory:';
        var cvalue2 ="Features";
    window._uxa.push(['setCustomVariable', 2, cname2, cvalue2]);
    var cname3='region:';
        var cvalue3 ="Europe,Global,North America";
    window._uxa.push(['setCustomVariable', 3, cname3, cvalue3]);
    var cname4='sector:';
        var cvalue4 ="Brands,Package Design and Holographics,Sustainable Packag
ing";
    window._uxa.push(['setCustomVariable', 4, cname4, cvalue4]);
    var cname5='reporting:'
        var cvalue5 ="uncategorised";
    window._uxa.push(['setCustomVariable', 5, cname5, cvalue5]);

  });
</script>
<!-- Start of HubSpot Embed Code -->
<script async="" defer="" id="hs-script-loader" src="//js-eu1.hs-scripts.com/26632
421.js?businessUnitId=15641589" type="text/javascript">
</script>
<!-- End of HubSpot Embed Code -->
<!--<script src="https://pr-fr-chat-b2b-gdm-figaro1.pantheonsite.io/mining-technol
ogy/wp-content/themes/goodlife-wp-B2B/api-search/ai-search.js"></script-->
<script type="text/javascript">
  window.NREUM||(NREUM={});NREUM.info={"beacon":"bam.nr-data.net","licenseKey":"NRJ
S-7b82eb47d05ddffd6c6","applicationID":"1250398555","transactionName":"MVAAZkoFWESU
RIKWgaI1FMDVldHEEPDVMKUA==","queueTime":0,"applicationTime":1540,"atts":"HRCDEAI fS0
4=","errorBeacon":"bam.nr-data.net","agent":""}
</script>
<script src="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/a
ssets/js/custom_newsletter.js" type="text/javascript">
</script>
<script id="ha-recaptcha-js" src="https://www.google.com/recaptcha/api.js?ver=1.0"
type="text/javascript">
</script>
<style>
table.compact {
  border-collapse: collapse;
  border: solid 1px #979797;
  font-size: 0.9rem;
  line-height: 2.3em;
  margin-bottom: 0;
  font-size: 13px;
  font-weight: 400;

```

```

        width: 100%;
        font-family: "Atlas Grotesk Web", sans-serif;
    }
    tr.bg-grey {
        border-bottom: solid 1px #cecece;
        background: #27274c;
        color: #ffffff;

    }
    table.compact th, table.compact td{
        text-align: left;padding:0px 0px 0px 10px;
        font-family: "Atlas Grotesk Web", sans-serif;
    }
    table.compact td{
        border: solid 1px #979797 !important;
    }
    .tablesource{
        margin: 5px 0px;
        font-size: 12px;
    }
    @media screen and (max-width: 600px){
        table.compact td{
            display: revert !important;

        }
    }
    /* .sidebar-content.sidebar-scalar {
    display:block !important;
    } */
    @media only screen and (min-width: 320px) and (max-width:920px)
    {
        .mobile-useragent-scalar,.ind-mobile { display:block !important; }
        .sidebar-content.sidebar-scalar.desktop-useragent-scalar { display:none !important; }
        .mobile-authorwidget { display:block !important; }
        .article-header__content .article-header__author.desktop-authorwidget { display:none !important; }
    }
    @media only screen and (min-width : 921px) {
        .sidebar-content.sidebar-scalar.desktop-useragent-scalar,.ind-desk{ display:block !important; }
        .mobile-useragent-scalar { display:none !important; }
        .article-header__content .article-header__author.desktop-authorwidget { display:block !important; }
        .mobile-authorwidget { display:none !important; }
    }
</style>
<link href="https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/charts.css?ver=1.2" id="single-charts" rel="stylesheet"/>
</body>
</html>

```

```

In [17]: for link in soup.find_all('img'):# in html image is represented by the tag <img>
          print(link)
          print(link.get('src'))

```



```

https://www.packaging-gateway.com/wp-content/uploads/sites/16/2017/07/PG.png

https://secure.gravatar.com/avatar/58fdb4e6c85d3c0da608c493fc12fb8?s=96&d=mm&r=g

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/email_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/linkedin_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/twitter_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/facebook_icon.svg

https://www.packaging-gateway.com/wp-content/uploads/sites/16/2022/11/shutterstock_2
085125839.jpg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/images/BuyersGui
de_icon.png

https://pr-fr-json-b2b-gdm-figaro1.pantheonsite.io/pharmaceutical-technology/wp-cont
ent/themes/goodlife-wp-B2B/assets/img/report.png

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/images/BuyersGui
de_icon.png

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/email_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/linkedin_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/twitter_icon.svg

https://www.packaging-gateway.com/wp-content/themes/goodlife-wp-B2B/assets/img/icon
s/facebook_icon.svg

```

```

https://pr-fr-json-b2b-gdm-figaro1.pantheonsite.io/pharmaceutical-technology/wp-content/themes/goodlife-wp-B2B/assets/img/report.png

https://secure.gravatar.com/avatar/58fdb4e6c85d3c0da608c493fc12fb8?s=96&d=mm&r=g

/wp-content/themes/goodlife-wp-B2B/assets/images/icons/catfish-icon.svg

https://www.packaging-gateway.com/wp-content/uploads/sites/16/2017/07/PackagingGatew
ay_footer.png

/code/wp-content/themes/goodlife-wp-B2B/assets/img/icons/linkedin_icon_w.svg

/code/wp-content/themes/goodlife-wp-B2B/assets/img/icons/twitter_icon_w.svg

/code/wp-content/themes/goodlife-wp-B2B/assets/img/icons/facebook_icon_w.svg

/code/wp-content/themes/goodlife-wp-B2B/assets/images/verdict-logo-w.png

```

```

In [28]: for table in soup.find_all('table'):# in html image is represented by the tag <img>
        print(table)
        print(table.get('tbody'))

```

We can store it as a string in the variable HTML:

```

In [4]: html="<!DOCTYPE html><html><head><title>Page Title</title></head><body><h3><b id='b

```

To parse a document, pass it into the `BeautifulSoup` constructor. The `BeautifulSoup` object represents the document as a nested data structure:

```

In [5]: soup = BeautifulSoup(html, 'html5lib')

```

First, the document is converted to Unicode (similar to ASCII) and HTML entities are converted to Unicode characters. BeautifulSoup transforms a complex HTML document into a complex tree of Python objects. The `BeautifulSoup` object can create other types of objects. In this lab, we will cover `BeautifulSoup` and `Tag` objects, that for the purposes of this lab are identical. Finally, we will look at `NavigableString` objects.

We can use the method `prettify()` to display the HTML in the nested structure:

```

In [6]: print(soup.prettify())

```

```
<!DOCTYPE html>
<html>
<head>
  <title>
    Page Title
  </title>
</head>
<body>
  <h3>
    <b id="boldest">
      LeBron James
    </b>
  </h3>
  <p>
    Salary: $ 92,000,000
  </p>
  <h3>
    Stephen Curry
  </h3>
  <p>
    Salary: $85,000, 000
  </p>
  <h3>
    Kevin Durant
  </h3>
  <p>
    Salary: $73,200, 000
  </p>
</body>
</html>
```

## Tags

Let's say we want the title of the page and the name of the top paid player. We can use the `Tag`. The `Tag` object corresponds to an HTML tag in the original document, for example, the tag title.

```
In [7]: tag_object=soup.title
        print("tag object:",tag_object)
```

tag object: <title>Page Title</title>

we can see the tag type `bs4.element.Tag`

```
In [8]: print("tag object type:",type(tag_object))
```

tag object type: <class 'bs4.element.Tag'>

If there is more than one `Tag` with the same name, the first element with that `Tag` name is called. This corresponds to the most paid player:

```
In [9]: tag_object=soup.h3
        tag_object
```

```
Out[9]: <h3><b id="boldest">Lebron James</b></h3>
```

Enclosed in the bold attribute `b`, it helps to use the tree representation. We can navigate down the tree using the child attribute to get the name.

## Children, Parents, and Siblings

As stated above, the `Tag` object is a tree of objects. We can access the child of the tag or navigate down the branch as follows:

```
In [10]: tag_child =tag_object.b
tag_child
```

```
Out[10]: <b id="boldest">Lebron James</b>
```

You can access the parent with the `parent`.

```
In [11]: parent_tag=tag_child.parent
parent_tag
```

```
Out[11]: <h3><b id="boldest">Lebron James</b></h3>
```

this is identical to:

```
In [12]: tag_object
```

```
Out[12]: <h3><b id="boldest">Lebron James</b></h3>
```

`tag_object` parent is the `body` element.

```
In [13]: tag_object.parent
```

```
Out[13]: <body><h3><b id="boldest">Lebron James</b></h3><p> Salary: $ 92,000,000 </p><h3> S
tephen Curry</h3><p> Salary: $85,000, 000 </p><h3> Kevin Durant </h3><p> Salary:
$73,200, 000</p></body>
```

`tag_object` sibling is the `paragraph` element.

```
In [14]: sibling_1=tag_object.next_sibling
sibling_1
```

```
Out[14]: <p> Salary: $ 92,000,000 </p>
```

`sibling_2` is the `header` element, which is also a sibling of both `sibling_1` and `tag_object`

```
In [15]: sibling_2=sibling_1.next_sibling
sibling_2
```

Out[15]: <h3> Stephen Curry</h3>

## Exercise: next\_sibling

Use the object `sibling_2` and the method `next_sibling` to find the salary of Stephen Curry:

```
In [18]: sibling_3= sibling_2.next_sibling  
sibling_3
```

Out[18]: <p> Salary: \$85,000, 000 </p>

► [Click here for the solution](#)

## HTML Attributes

If the tag has attributes, the tag `id="boldest"` has an attribute `id` whose value is `boldest`. You can access a tag's attributes by treating the tag like a dictionary:

```
In [19]: tag_child['id']
```

Out[19]: 'boldest'

You can access that dictionary directly as `attrs`:

```
In [20]: tag_child.attrs
```

Out[20]: {'id': 'boldest'}

You can also work with Multi-valued attributes. Check out [\[1\]](#) for more.

We can also obtain the content of the attribute of the `tag` using the Python `get()` method.

```
In [21]: tag_child.get('id')
```

Out[21]: 'boldest'

## Navigable String

A string corresponds to a bit of text or content within a tag. BeautifulSoup uses the `NavigableString` class to contain this text. In our HTML we can obtain the name of the first player by extracting the string of the `Tag` object `tag_child` as follows:

```
In [22]: tag_string=tag_child.string  
tag_string
```

```
Out[22]: 'Lebron James'
```

we can verify the type is Navigable String

```
In [23]: type(tag_string)
```

```
Out[23]: bs4.element.NavigableString
```

A NavigableString is similar to a Python string or Unicode string. To be more precise, the main difference is that it also supports some `BeautifulSoup` features. We can convert it to string object in Python:

```
In [24]: unicode_string = str(tag_string)
         unicode_string
```

```
Out[24]: 'Lebron James'
```

## Filter

Filters allow you to find complex patterns, the simplest filter is a string. In this section we will pass a string to a different filter method and BeautifulSoup will perform a match against that exact string. Consider the following HTML of rocket launches:

```
In [25]: %%html
<table>
  <tr>
    <td id='flight' >Flight No</td>
    <td>Launch site</td>
    <td>Payload mass</td>
  </tr>
  <tr>
    <td>1</td>
    <td><a href='https://en.wikipedia.org/wiki/Florida'>Florida</a></td>
    <td>300 kg</td>
  </tr>
  <tr>
    <td>2</td>
    <td><a href='https://en.wikipedia.org/wiki/Texas'>Texas</a></td>
    <td>94 kg</td>
  </tr>
  <tr>
    <td>3</td>
    <td><a href='https://en.wikipedia.org/wiki/Florida'>Florida<a> </td>
    <td>80 kg</td>
  </tr>
</table>
```

Flight No	Launch site	Payload mass
1	<a href="#">Florida</a>	300 kg
2	<a href="#">Texas</a>	94 kg
3	<a href="#">Florida</a>	80 kg

We can store it as a string in the variable `table` :

```
In [26]: table="<table><tr><td id='flight'>Flight No</td><td>Launch site</td> <td>Payload ma
```

```
In [27]: table_bs = BeautifulSoup(table, 'html5lib')
```

## find All

The `find_all()` method looks through a tag's descendants and retrieves all descendants that match your filters.

The Method signature for `find_all(name, attrs, recursive, string, limit, **kwargs)`

## Name

When we set the `name` parameter to a tag name, the method will extract all the tags with that name and its children.

```
In [28]: table_rows=table_bs.find_all('tr')
table_rows
```

```
Out[28]: [<tr><td id="flight">Flight No</td><td>Launch site</td> <td>Payload mass</td></tr>
>,
  <tr> <td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a>
</a></td><td>300 kg</td></tr>,
  <tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>
>94 kg</td></tr>,
  <tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a>
</a></td><td>80 kg</td></tr>]
```

The result is a Python iterable just like a list, each element is a `tag` object:

```
In [29]: first_row =table_rows[0]
first_row
```

```
Out[29]: <tr><td id="flight">Flight No</td><td>Launch site</td> <td>Payload mass</td></tr>
```

The type is `tag`

```
In [30]: print(type(first_row))
<class 'bs4.element.Tag'>
```

we can obtain the child

```
In [31]: first_row.td
```

```
Out[31]: <td id="flight">Flight No</td>
```

If we iterate through the list, each element corresponds to a row in the table:

```
In [32]: for i,row in enumerate(table_rows):
          print("row",i,"is",row)
```

```
row 0 is <tr><td id="flight">Flight No</td><td>Launch site</td> <td>Payload mass</td>
></tr>
row 1 is <tr> <td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida
</a><a></a></td><td>300 kg</td></tr>
row 2 is <tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></
td><td>94 kg</td></tr>
row 3 is <tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</
a><a> </a></td><td>80 kg</td></tr>
```

As `row` is a `cell` object, we can apply the method `find_all` to it and extract table cells in the object `cells` using the tag `td`, this is all the children with the name `td`. The result is a list, each element corresponds to a cell and is a `Tag` object, we can iterate through this list as well. We can extract the content using the `string` attribute.

```
In [33]: for i,row in enumerate(table_rows):
          print("row",i)
          cells=row.find_all('td')
          for j,cell in enumerate(cells):
              print('column',j,"cell",cell)
```



```

row 0
column 0 cell <td id="flight">Flight No</td>
column 1 cell <td>Launch site</td>
column 2 cell <td>Payload mass</td>
row 1
column 0 cell <td>1</td>
column 1 cell <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td>
column 2 cell <td>300 kg</td>
row 2
column 0 cell <td>2</td>
column 1 cell <td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td>
column 2 cell <td>94 kg</td>
row 3
column 0 cell <td>3</td>
column 1 cell <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a> </a></td>
column 2 cell <td>80 kg</td>

```

If we use a list we can match against any item in that list.

```
In [34]: list_input=table_bs .find_all(name=["tr", "td"])
list_input
```

```

Out[34]: [<tr><td id="flight">Flight No</td><td>Launch site</td> <td>Payload mass</td></tr>
>,
  <td id="flight">Flight No</td>,
  <td>Launch site</td>,
  <td>Payload mass</td>,
  <tr> <td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td></tr>,
  <td>1</td>,
  <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td>,
  <td>300 kg</td>,
  <tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr>,
  <td>2</td>,
  <td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td>,
  <td>94 kg</td>,
  <tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr>,
  <td>3</td>,
  <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a> </a></td>,
  <td>80 kg</td>]

```

## Attributes

If the argument is not recognized it will be turned into a filter on the tag's attributes. For example with the `id` argument, BeautifulSoup will filter against each tag's `id` attribute. For example, the first `td` elements have a value of `id` of `flight`, therefore we can filter based on that `id` value.

```
In [35]: table_bs.find_all(id="flight")
```

```
Out[35]: [<td id="flight">Flight No</td>]
```

We can find all the elements that have links to the Florida Wikipedia page:

```
In [36]: list_input=table_bs.find_all(href="https://en.wikipedia.org/wiki/Florida")
list_input
```

```
Out[36]: [<a href="https://en.wikipedia.org/wiki/Florida">Florida</a>,
<a href="https://en.wikipedia.org/wiki/Florida">Florida</a>]
```

If we set the `href` attribute to `True`, regardless of what the value is, the code finds all tags with `href` value:

```
In [37]: table_bs.find_all(href=True)
```

```
Out[37]: [<a href="https://en.wikipedia.org/wiki/Florida">Florida</a>,
<a href="https://en.wikipedia.org/wiki/Texas">Texas</a>,
<a href="https://en.wikipedia.org/wiki/Florida">Florida</a>]
```

There are other methods for dealing with attributes and other related methods. Check out the following [link](#)

## Exercise: `find_all`

Using the logic above, find all the elements without `href` value

```
In [38]: table_bs.find_all(href=False)
```

```

Out[38]: [<html><head></head><body><table><tbody><tr><td id="flight">Flight No</td><td>Launch site</td><td>Payload mass</td></tr><tr><td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>300 kg</td></tr><tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr><tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr></tbody></table></body></html>,
  <head></head>,
  <body><table><tbody><tr><td id="flight">Flight No</td><td>Launch site</td><td>Payload mass</td></tr><tr><td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>300 kg</td></tr><tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr><tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr></tbody></table></body>,
  <table><tbody><tr><td id="flight">Flight No</td><td>Launch site</td><td>Payload mass</td></tr><tr><td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>300 kg</td></tr><tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr><tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr></tbody></table>,
  <tbody><tr><td id="flight">Flight No</td><td>Launch site</td><td>Payload mass</td></tr><tr><td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>300 kg</td></tr><tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr><tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr></tbody>,
  <tr><td id="flight">Flight No</td><td>Launch site</td><td>Payload mass</td></tr><tr><td id="flight">Flight No</td>,
  <td>Launch site</td>,
  <td>Payload mass</td>,
  <tr><td>1</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>300 kg</td></tr>,
  <td>1</td>,
  <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td>,
  <a></a>,
  <td>300 kg</td>,
  <tr><td>2</td><td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td><td>94 kg</td></tr>,
  <td>2</td>,
  <td><a href="https://en.wikipedia.org/wiki/Texas">Texas</a></td>,
  <td>94 kg</td>,
  <tr><td>3</td><td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td><td>80 kg</td></tr>,
  <td>3</td>,
  <td><a href="https://en.wikipedia.org/wiki/Florida">Florida</a><a></a></td>,
  <a></a>,
  <td>80 kg</td>]

```

► Click here for the solution

Using the soup object `soup`, find the element with the `id` attribute content set to `"boldest"`.

```
In [41]: soup = table_bs.find_all(id="boldest")
```

```
soup
```

```
Out[41]: []
```

► [Click here for the solution](#)

## string

With string you can search for strings instead of tags, where we find all the elements with Florida:

```
In [42]: table_bs.find_all(string="Florida")
```

```
Out[42]: ['Florida', 'Florida']
```

## find

The `find_all()` method scans the entire document looking for results. It's useful if you are looking for one element, as you can use the `find()` method to find the first element in the document. Consider the following two tables:

```
In [43]: %%html
<h3>Rocket Launch </h3>

<p>
<table class='rocket'>
  <tr>
    <td>Flight No</td>
    <td>Launch site</td>
    <td>Payload mass</td>
  </tr>
  <tr>
    <td>1</td>
    <td>Florida</td>
    <td>300 kg</td>
  </tr>
  <tr>
    <td>2</td>
    <td>Texas</td>
    <td>94 kg</td>
  </tr>
  <tr>
    <td>3</td>
    <td>Florida </td>
    <td>80 kg</td>
  </tr>
</table>
</p>
<p>

<h3>Pizza Party </h3>
```

```
<table class='pizza'>
  <tr>
    <td>Pizza Place</td>
    <td>Orders</td>
    <td>Slices </td>
  </tr>
  <tr>
    <td>Domino's Pizza</td>
    <td>10</td>
    <td>100</td>
  </tr>
  <tr>
    <td>Little Caesars</td>
    <td>12</td>
    <td>144 </td>
  </tr>
  <tr>
    <td>Papa John's </td>
    <td>15 </td>
    <td>165</td>
  </tr>
```



We Download the contents of the web page:

```
In [48]: url = "http://www.ibm.com"
```

We use `get` to download the contents of the webpage in text format and store in a variable called `data` :

```
In [49]: data = requests.get(url).text
```

We create a `BeautifulSoup` object using the `BeautifulSoup` constructor

```
In [50]: soup = BeautifulSoup(data,"html5lib") # create a soup object using the variable 'data'
```

Scrape all links

```
In [51]: for link in soup.find_all('a',href=True): # in html anchor/link is represented by the tag <a>

        print(link.get('href'))
```

```
https://newsroom.ibm.com/2023-08-03-IBM-and-NASA-Open-Source-Largest-Geospatial-AI-Foundation-Model-on-Hugging-Face
https://www.ibm.com/community/ibm-techxchange-conference
https://www.ibm.com/products/watsonx-ai
https://www.ibm.com/products/watsonx-data
https://www.ibm.com/products/spss-statistics/pricing
https://www.ibm.com/products/planning-analytics?lnk=flatitem
https://www.ibm.com/cloud?lnk=flatitem
https://www.ibm.com/products
#bx--custom-footnotes
https://www.ibm.com/consulting
https://www.ibm.com/about
https://www.gartner.com/en/documents/4007140
https://www.ibm.com/
```

## Scrape all images Tags

```
In [52]: for link in soup.find_all('img'):# in html image is represented by the tag <img>
        print(link)
        print(link.get('src'))
```

```


https://1.dam.s81c.com/p/0c3d00d887cd3e5f/homepage-watsonx-leadspace-4.png

https://1.dam.s81c.com/p/0c3ce2dfcccd1f24/watsonx-data-square.jpg

https://1.dam.s81c.com/p/0c3ce2dfcccd1f25/watsonx-ai-square.jpg

https://1.dam.s81c.com/p/0b5258b292cc8c3c/ibm-SPSS-home-card.png.global.xs_1x1.png

https://1.dam.s81c.com/p/0b5258b33acc8e04/homepage-planning-analytics-card.png.global.xs_1x1.png

https://1.dam.s81c.com/p/0aac9cf57bcbf324/dotcom-1-overview.jpg

```

## Scrape data from HTML tables

```

In [53]: #The below url contains an html table with data about colors and color codes.
url = "https://cf-courses-data.s3.us.cloud-object-storage.appdomain.cloud/IBM-DA0321EN-SkillsNetwork/labs/datasets/HTMLColorCodes.html"

```

Before proceeding to scrape a web site, you need to examine the contents and the way data is organized on the website. Open the above url in your browser and check how many rows and columns there are in the color table.

```

In [54]: # get the contents of the webpage in text format and store in a variable called data
data = requests.get(url).text

```

```

In [55]: soup = BeautifulSoup(data,"html5lib")

```

```

In [56]: #find a html table in the web page
table = soup.find('table') # in html table is represented by the tag <table>

```

```

In [57]: #Get all rows from the table
for row in table.find_all('tr'): # in html table row is represented by the tag <tr>
    # Get all columns in each row.
    cols = row.find_all('td') # in html a column is represented by the tag <td>

```



```

    color_name = cols[2].string # store the value in column 3 as color_name
    color_code = cols[3].text # store the value in column 4 as color_code
    print("{}--->{}".format(color_name,color_code))

```

Color Name--->Hex Code#RRGGBB

lightsalmon--->#FFA07A

salmon--->#FA8072

darksalmon--->#E9967A

lightcoral--->#F08080

coral--->#FF7F50

tomato--->#FF6347

orangered--->#FF4500

gold--->#FFD700

orange--->#FFA500

darkorange--->#FF8C00

lightyellow--->#FFFFE0

lemonchiffon--->#FFFACD

papayawhip--->#FFEFD5

moccasin--->#FFE4B5

peachpuff--->#FFDAB9

palegoldenrod--->#EEE8AA

khaki--->#F0E68C

darkkhaki--->#BDB76B

yellow--->#FFFF00

lawngreen--->#7CFC00

chartreuse--->#7FFF00

limegreen--->#32CD32

lime--->#00FF00

forestgreen--->#228B22

green--->#008000

powderblue--->#B0E0E6

lightblue--->#ADD8E6

lightskyblue--->#87CEFA

skyblue--->#87CEEB

deepskyblue--->#00BFFF

lightsteelblue--->#B0C4DE

dodgerblue--->#1E90FF

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## Other Contributors

Rav Ahuja

## Change Log

Pizza Place	Orders	Slices
Domino's Pizza	10	100
Little Caesars	12	144
Papa John's	15	165

Date (YYYY-MM-DD)	Version	Changed By	Change Description
2023-06-11	1.0	Akansha Yadav	Spell check
2020-10-17	0.1	Joseph Santarcangelo	Created initial version of the lab

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