List all the scripts call by . ./adstpall.sh in details in sequence. for Oracle EBS 12.2.12

**ChatGPT said:**

Good question 👍 — in **Oracle E-Business Suite (EBS) R12.2.12**, the script

. ./adstpall.sh

is the **master stop script**. It’s located under $ADMIN\_SCRIPTS\_HOME (for example:  
$EBS\_DOMAIN\_HOME/EBSapps.env run → $ADMIN\_SCRIPTS\_HOME/adstpall.sh).

This script sequentially calls multiple other scripts to gracefully shut down **all application tier services**.

Here’s the **sequence with details**:

**1. Environment Setup**

* Sources EBSapps.env to set up the environment for run/patch file system.
* Defines variables like $ADMIN\_SCRIPTS\_HOME, $INST\_TOP, $NE\_BASE, etc.

**2. Stop WebLogic AdminServer**

* Calls:
* adstpall.sh → adstpdomain.sh → stopWebLogicAdmin.sh
* Gracefully shuts down **WebLogic AdminServer** for the EBS domain.

**3. Stop Managed Servers (OC4J replaced by WLS)**

* Calls:
* adstpall.sh → adstpmsrv.sh
* Shuts down WebLogic Managed Servers such as:
  + **oacore\_server1** (OAF pages, Login, Self Service)
  + **oafm\_server1** (SOA integration)
  + **forms\_server1** (Forms runtime)
  + **forms-c4ws\_server1** (Forms web services)
  + **oaea\_server1** (Application Object Library)

(sequence can vary slightly depending on enabled services)

**4. Stop OHS (Oracle HTTP Server / Apache)**

* Calls:
* adstpall.sh → adstpohs.sh
* Stops **OHS / Apache listener** (httpd), which routes requests to WLS.

**5. Stop OPMN (Oracle Process Manager & Notification Server)**

* Calls:
* adstpall.sh → adstpopmn.sh
* Shuts down **OPMN**, which manages processes like OHS, Reports Server, etc.

**6. Stop Concurrent Manager (CM)**

* Calls:
* adstpall.sh → adstpconcurrent.sh
* Stops:
  + Internal Concurrent Manager
  + Standard Manager
  + Other custom concurrent managers

**7. Stop Database Listener (optional, only if apps tier is managing it)**

* Calls:
* adstpall.sh → adstplsnr.sh
* Stops Oracle **TNS Listener** (sometimes managed by DBAs separately, not always called).

✅ **Final Sequence (Typical for R12.2.12)**

1. Set environment
2. Stop AdminServer
3. Stop WebLogic Managed Servers (oacore, oafm, forms, etc.)
4. Stop OHS (Apache)
5. Stop OPMN
6. Stop Concurrent Manager
7. Stop Listener (if configured)

👉 Would you like me to draw a **flow diagram** of how adstpall.sh cascades into these scripts (with exact filenames in $ADMIN\_SCRIPTS\_HOME)? That way you can see the hierarchy clearly.

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**You said:**

List all the scripts call by . ./adstrtall.sh in details in sequence. for Oracle EBS 12.2.12

**ChatGPT said:**

Perfect 👍 — in **Oracle E-Business Suite R12.2.12**, the script

. ./adstrtall.sh

is the **master start script** under $ADMIN\_SCRIPTS\_HOME.  
It is the **counterpart** of adstpall.sh and sequentially starts all the application tier services.

Here’s the **step-by-step breakdown of scripts it calls in sequence**:

**🔹 Sequence of Execution in adstrtall.sh**

**1. Environment Setup**

* Sources environment:
* EBSapps.env run
* Prepares variables: $ADMIN\_SCRIPTS\_HOME, $INST\_TOP, $NE\_BASE, $FMW\_HOME, $EBS\_DOMAIN\_HOME, etc.

**2. Start Database Listener (optional)**

* Calls:
* adstrtall.sh → adstrlsnr.sh
* Starts the Oracle **TNS Listener** (if listener is managed from apps tier).

Many sites skip this step since DBAs usually manage listener separately.

**3. Start Concurrent Manager**

* Calls:
* adstrtall.sh → adstrconcurrent.sh
* Starts:
  + Internal Concurrent Manager
  + Standard Manager
  + Other concurrent managers

**4. Start OPMN (Oracle Process Manager & Notification Server)**

* Calls:
* adstrtall.sh → adstropmn.sh
* Starts **OPMN daemon** which controls processes such as:
  + Reports server (if enabled)
  + OHS (Apache) child processes

**5. Start Oracle HTTP Server (OHS / Apache)**

* Calls:
* adstrtall.sh → adstrohs.sh
* Brings up **OHS (httpd)**, which routes requests to WebLogic Managed Servers.

**6. Start WebLogic AdminServer**

* Calls:
* adstrtall.sh → adstrtdomain.sh → startWebLogicAdmin.sh
* Starts the **EBS WebLogic AdminServer** for the domain.

**7. Start WebLogic Managed Servers**

* Calls:
* adstrtall.sh → adstrmsrv.sh
* Starts the EBS Managed Servers in sequence:
  + **oacore\_server1** → for OAF pages, login, self-service
  + **oafm\_server1** → for SOA / Workflow integration
  + **forms\_server1** → for Forms runtime
  + **forms-c4ws\_server1** → for Forms web services
  + **oaea\_server1** → AOL/J services

✅ **Final Startup Sequence (Typical R12.2.12)**

1. Set environment
2. Start Listener (if managed)
3. Start Concurrent Manager
4. Start OPMN
5. Start OHS (Apache)
6. Start WebLogic AdminServer
7. Start WebLogic Managed Servers

👉 In practice, **AdminServer must be up before Managed Servers** (that’s why it comes earlier in the sequence).  
Also, **Concurrent Manager is usually started before WebLogic tier** because CM does not depend on WLS.

Would you like me to prepare a **side-by-side table** comparing adstpall.sh (stop sequence) and adstrtall.sh (start sequence) for R12.2.12? That way you can see the exact symmetry.

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**You said:**

List all the scripts call by service apps start in details in sequence. for Oracle EBS 12.2.12

**ChatGPT said:**

Great question 👍 — in **Oracle E-Business Suite 12.2.12**, when you run

service apps start

(from Linux systemd or legacy init.d), you are **not directly starting services** — instead, this OS-level script is a **wrapper** that calls the EBS application tier control scripts under $ADMIN\_SCRIPTS\_HOME.

**🔹 What happens when you run service apps start**

**1. Linux service wrapper**

* service apps start → executes:
* /etc/init.d/apps start
* This wrapper script was created during Rapid Install and points to $INST\_TOP/admin/scripts/adstrtal.sh (or $ADMIN\_SCRIPTS\_HOME/adstrtal.sh).

So, effectively:

service apps start → adstrtal.sh

**🔹 Scripts Called by adstrtal.sh (in Sequence)**

**1. Environment Setup**

* Sources:
* EBSapps.env run
* Sets environment variables: $INST\_TOP, $ADMIN\_SCRIPTS\_HOME, $FMW\_HOME, $EBS\_DOMAIN\_HOME.

$INST\_TOP

└── $ADMIN\_SCRIPTS\_HOME

$FMW\_HOME

└── $EBS\_DOMAIN\_HOME

## 🔹 Sorted by Functionality

| **Variable** | **Functionality** | **Example Path** |
| --- | --- | --- |
| **$INST\_TOP** | **Instance-specific top directory** → holds logs, config, and scripts for a particular application tier node instance. | /u01/install/APPS/fs1/inst/apps/PROD\_apps01 |
| **$ADMIN\_SCRIPTS\_HOME** | **Control scripts directory** → subset inside $INST\_TOP, contains startup/shutdown scripts like adstrtal.sh, adstpall.sh. | $INST\_TOP/admin/scripts |
| **$FMW\_HOME** | **Fusion Middleware Oracle Home** → contains binaries and libraries for WebLogic, OHS, OPMN, etc. | /u01/install/APPS/fs1/FMW\_Home |
| **$EBS\_DOMAIN\_HOME** | **WebLogic Domain directory** for EBS → contains domain configuration, AdminServer, Managed Servers. | $FMW\_HOME/user\_projects/domains/EBS\_domain |

**2. Start Database Listener (if managed from apps tier)**

* Calls:
* adstrlsnr.sh
* Starts the Oracle **TNS Listener** (optional, many sites let DBA manage listener separately).

**3. Start Concurrent Manager**

* Calls:
* adstrconcurrent.sh
* Starts Internal Manager, Standard Manager, and other Concurrent Managers.

**4. Start OPMN (Oracle Process Manager & Notification Server)**

* Calls:
* adstropmn.sh
* Brings up OPMN, which monitors & manages sub-processes such as Reports Server.

**5. Start Oracle HTTP Server (OHS / Apache)**

* Calls:
* adstrohs.sh
* Starts the EBS Apache (OHS) listener (httpd).

**6. Start WebLogic AdminServer**

* Calls:
* adstrtdomain.sh → startWebLogicAdmin.sh
* Starts the **EBS WebLogic AdminServer** for the domain.

**7. Start WebLogic Managed Servers**

* Calls:
* adstrmsrv.sh
* Sequentially starts WebLogic managed servers:
  + **oacore\_server1** → OAF login, self-service
  + **oafm\_server1** → Workflow, SOA services
  + **forms\_server1** → Oracle Forms runtime
  + **forms-c4ws\_server1** → Forms Web Services
  + **oaea\_server1** → AOL/J services

✅ **Final Execution Flow of service apps start in R12.2.12**

1. Wrapper /etc/init.d/apps
2. adstrtal.sh (master startup script)
3. adstrlsnr.sh (Listener, optional)
4. adstrconcurrent.sh (Concurrent Manager)
5. adstropmn.sh (OPMN daemon)
6. adstrohs.sh (Apache / OHS)
7. adstrtdomain.sh (AdminServer)
8. adstrmsrv.sh (Managed Servers: oacore, oafm, forms, oaea, etc.)

👉 Would you like me to also give you the **exact counterpart sequence for service apps stop** so you have both startup and shutdown flows side by side for R12.2.12?

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**You said:**

List all the scripts call by service apps stop in details in sequence. for Oracle EBS 12.2.12

**ChatGPT said:**

Excellent 👍 — in **Oracle E-Business Suite 12.2.12**,

when you run:

service apps stop

the **Linux service wrapper** (/etc/init.d/apps) is invoked.  
This script was created during Rapid Install and it simply calls the **EBS master stop script**:

$ADMIN\_SCRIPTS\_HOME/adstpall.sh

So the flow is:

service apps stop → /etc/init.d/apps stop → adstpall.sh

**🔹 Scripts Called by adstpall.sh in Sequence**

**1. Environment Setup**

* Loads:
* EBSapps.env run
* Prepares $INST\_TOP, $ADMIN\_SCRIPTS\_HOME, $EBS\_DOMAIN\_HOME, $FMW\_HOME, etc.

**2. Stop WebLogic Managed Servers**

* Calls:
* adstpmsrv.sh
* Shuts down managed servers in sequence:
  + **oacore\_server1** → OAF login, self-service
  + **oafm\_server1** → SOA / Workflow services
  + **forms\_server1** → Oracle Forms runtime
  + **forms-c4ws\_server1** → Forms Web Services
  + **oaea\_server1** → AOL/J Services

**Oracle EBS Application Tier Managed Servers**

| **Startup Order** | **Server Name** | **Full Form / Meaning** | **Function / Description** |
| --- | --- | --- | --- |
| 1 | **oacore\_server1** | Oracle Applications Core Server | login/authentication, Handles **OA Framework (OAF)** pages, JSP/Servlet execution, self-service applications, and UI rendering for HTML-based modules. |
| 2 | **oafm\_server1** | Oracle Applications Fusion Middleware Server | Provides **SOA (Service-Oriented Architecture)** and **Workflow Services** integration; processes BPEL, Workflow Engine, and middleware-related requests. |
| 3 | **forms\_server1** | Oracle Forms Runtime Server | Runs the **Oracle Forms** sessions used by EBS Professional User Interface (Forms-based modules like AP, AR, GL, HRMS). |
| 4 | **forms-c4ws\_server1** | Oracle Forms – Component for Web Services | Exposes **Oracle Forms as Web Services** (C4WS = Component for Web Services); used for web service-based integration with Forms applications. |
| 5 | **oaea\_server1** | Oracle Applications Embedded AOL/J Server | Provides **AOL/J Services** (Application Object Library in Java); supports Java-based concurrent processing, flexfields, menus, profiles, and integration services. |

✅ **Summary of Sequence**

1. **oacore\_server1** starts first → enables OAF login/self-service UI.
2. **oafm\_server1** starts next → makes workflow/SOA services available.
3. **forms\_server1** then starts → allows users to run Forms-based applications.
4. **forms-c4ws\_server1** starts after Forms → exposes Forms as web services.
5. **oaea\_server1** starts last → supports AOL/J background services and integrations.

**3. Stop WebLogic AdminServer**

* Calls:
* adstpdomain.sh → stopWebLogicAdmin.sh
* Gracefully shuts down the WebLogic **AdminServer**.

**4. Stop Oracle HTTP Server (OHS / Apache)**

* Calls:
* adstpohs.sh
* Stops OHS / Apache (httpd) that routes requests to WLS.

**5. Stop OPMN (Oracle Process Manager & Notification Server)**

* Calls:
* adstpopmn.sh
* Stops **OPMN daemon** which monitors components like Reports Server.

**6. Stop Concurrent Manager**

* Calls:
* adstpconcurrent.sh
* Stops:
  + Internal Concurrent Manager
  + Standard Manager
  + Other concurrent managers

**7. Stop Database Listener (if managed by apps tier)**

* Calls:
* adstplsnr.sh
* Stops the Oracle **TNS Listener** (many sites skip this because DBAs handle DB listener separately).

✅ **Final Execution Flow of service apps stop (R12.2.12)**

1. Wrapper /etc/init.d/apps
2. adstpall.sh (master stop script)
3. adstpmsrv.sh (Managed Servers)
4. adstpdomain.sh (AdminServer)
5. adstpohs.sh (Apache/OHS)
6. adstpopmn.sh (OPMN daemon)
7. adstpconcurrent.sh (Concurrent Manager)
8. adstplsnr.sh (Listener, optional)

⚖️ **Note:** The stop order is the **reverse** of the start order (service apps start).

* First, dependent WebLogic managed servers are stopped.
* Then AdminServer, Apache, OPMN, CM, and finally Listener.