**LINUX -Patching Management process:**

Purpose of the patching is Improve security vulnerability, bug fixes and product enhancement .

**Linux Patching Process:**

* Once the patching schedule for Test/Dev/Trainee/Prod servers is finalized, Linux team will send an advanced communication to all the stack holders/App teams notifying them with the activity details at least a week before.
* Prepare a list of servers to be patched.
* Submit a Change request to perform the activity.
* Execute the pre-work activities on the servers.
* Patch the servers as per the sequence & schedule.
* After completing the patching activity, Linux team will inform to Application team that activity has been completed and they can start the sanity check for application and services.
* Once application team confirm everything is good, Linux team will send final notification to stack holders about application availability.
* Close the change ticket accordingly.
* **Patch Cycle**

Patching calendar is as follows

**Dev/Sand/Training Environment – 1st Friday of every January, April, July and October.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2018** | **Jan 5th 2018** | **April 6th 2018** | **July 6th 2018** | **October 5th 2018** |
| **2019** | **Jan 4th 2019** | **April 5th 2019** | **July 5th 2019** | **October 4th 2019** |

Proposed schedule - 11:00 AM - 05:00 PM EST (Friday)

**Test Environment – 2nd Friday of every January, April, July and October.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2018** | **Jan 12th 2018** | **April 13th 2018** | **July 13th 2018** | **October 12th 2018** |
| **2019** | **Jan 11th 2019** | **April 12th 2019** | **July 12th 2019** | **October 11th 2019** |

Proposed schedule - 11:00 AM - 05:00 PM EST (Friday)

**Production Environment – last Sat/Sun of every January, April, July and October.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2018** | **Jan 27th-28th 2018** | **April 28th -29th 2018** | **July 28th -29th 2018** | **October 27th -28th 2018** |
| **2019** | **Jan 26th-27th 2018** | **April 27th -28th 2018** | **July 27th -28th 2018** | **October 26th -27th 2018** |

**Important thing to be noted while proceding for change process:**

Patching related communication shall be done through Email all stake holders and application team, prior one week before. with change req no, and pre and post patching check points.

so that if any server in concern to exclude or not servers to patch. we can exclude the same.

Create a temp group to align all related to the change members to communicate rapidly, if any thing goes wrong or abnormal.

* **Patching Rollback plan**

In-case of any failure after the patches are installed on the server, the same will be uninstalled/removed from the respective server.

* **Escalation Procedure during the patching**

If server is determined to have issues during the patching window, then the patching team member will open an incident ticket and escalate all stake holder s.