Accountable for: Establishing Scrum as defined in the Scrum Guide and promotes to team-members and org Scrum Team's effectiveness (thru improving practices) & artifact transparency Scrum Team's effectiveness (thru improving practices) & artifact transparency Team by: Caeching the team members in self-management and cross-functionality Creating High Value Increments that meet the DoD Causing the removal of impediments to the Scrum Team's progress Ensuring that all Scrum events take place (positive, productive, keep in timebox) Towner by: Helping find techniques for effective Product Goal definition and PB management Helping the scrum team understand the need for clear and concise PB items Helping establish empirical product planning for a complex environment Facilitating Sakeholder collaboration as requested or needed Facilitates Scrum Events Why is the Sprint Valuable? © proposed how the product could increase value in the current Sprint Scrum Team collaborates to define a Sprint Goal (why the Sprint is valuable to Stakeholders) Sprint Goal is finalized prior to the end of Sprint Planning What can be Done this Sprint? this Sprint? Thru discussion with Fig. Devis select items form the Product Backlog to include in the current sprint Scrum Team refines these items during this process, increase understanding and confidence Move known about past performance, upcoming capacity, and DoD, the more confident with Sprint forecast Serves the Organization by: Serves the Organization or Leading, training, and coaching the organization in its Scrum Adoption Leading, training, and coaching the organization in its Scrum Adoption Planning and advising Scrum implementations within the organization Provides insight and transparency of scrum artifacts Helping Employees / Stakeholders understand and enact empirical approach Removing barriers between Stakeholder and scrum teams Works with other scrum masters to increase effectiveness of the application of scrum in the org True leaders who serve the Scrum Team and Organization Helping everyone understand Scrum Theory and practice (team and org) Move known about past performance, upcoming capacity, and DoD, the more confident with Sprint foreca How will the chosen work get done? Desy plan the work necessary to create an Increment that meets DoD Done by decomposing Product Backlog items into smaller work items How this is done is sole discretion of the Dess (no one else can tell them how) Answers the following: What can be delivered in the increment? & Will the work needed to deliver the Increment be achieve? Note: All Scrum Teams working the same product, are not required/do not need the same sprint length Inspects progress toward the Sprint Goal and adapt the Sprint Backlog as necessary, adjusting the upcoming planned work Timebox: 15 minutes event for the Devis of the Scrum team Held at the same time and place every working day (to reduce complexity) if PO and SM, are actively working items in the sprint backlog, they participate as Devis as the only active participates in the daily scrum, can select whatever structure/technique they want as long as the daily scrum focuses on progress toward the Sprint Goal, produces an actionable plan for the next day of work (creates focus and improves self-management) Help with: improve communications, identify impediments, promote quick decision-making, and consequently eliminate the need for other meetings SM ensures that the Daily Scrum: Occurs by the Devis, conducted in the timebox, no one disrupts the meeting Daily Scrum is not the only time Devis are allowed to adjust their plan, can meet throughout the day for more detailed discussions for adapting/replanning the rest of the Sprint work Charts: Burn Down = how much work remains till the end of the sprint / Cone of Uncertainty = how much is known about the Product over time Isologies. Committed to creating any aspect of a usable Increment each Sprint Specific skills are broad and will vary with the domain of work. Accountable for: Creating a plan for the Sprint (Sprint Backlog), Instilling quality by adhering to a DoD; Adapting their plan each day toward the Sprint Goal; managing the progress of total work, tracking remaining Sprint Backlog tasks to adhere to the Sprint Goal Holding each other accountable as professional aam Small team (< 10 people) that is highly flexible and adaptive - Consist of <mark>SM. PO. Deve</mark> (No Sub-leams / No Hierarchies) Cohesive Unit of Professionals focus on a single objective, the product goal Cross-Functional, Self-Managing, Internally Make De Product Value Maximizer, Lead Facilitator of Key Stakeholder Involvement, Product Marketplace Expert Accountable for maximizing value of the product (one person, not committee); Responsibility: High Level Goals Accountable for effective Product Backlog Developing/Explicity) communicating the Product Goal Responsible for the Project Backlog Creating/Clearly communicating Product Backlog items Ordering Product Backlog items Foundation Produc Inspect the outcome of the Sprint and determine future adaptations (working session, not a presentation) Timebox: A hours for a one month sprint, (event can be shorter if sprint is shorter) Scrum Team presents the results of their work & progress towards the Product Goal is discussed to participating Stakeholders Scrum Team (SM, PQ, Devs) and Stakeholders review what was accomplished in the Sprint and what has change in their environment Based on this information, attendees collaborate on what can do next Trespective To plan ways to increase quality and effectiveness (concludes the Sprint), inspected elements often vary with the domain of work Timebox: A hour for a one month spirit, (event can be shorter if spirit is shorter) Sorum Team inspects how the last Spirit when twith regards to individuals, interactions, processes, tools, and their DoD (increases product quality) Sorum Team inspects how the last Spirit went with regards to individuals, interactions, processes, tools, and their DoD (increases product quality) Sorum Team discusses what well during the Spirit, what problems it encountered, and how these problems were (or were not) solved Sorum Team discusses what well during the Spirit, what problems it encountered, and how these problems were (or were not) solved Sorum Team dientifies the most helpful changes to improve its effectiveness (most impactful improvements are address asap) Improvements may even be added to the Spirit Backotog for the next Spirit The Definition of Done can be reviewed and adapted during the Spirit Retrospective sprint: No changes are made that endanger the Sprint Goal, Quality does not decrease, Product Backlog is refined as needed All work to achieve the Product Goal happen within the sprint Scope may be clarified/refactored with PO as more is learned nt Heartbeat of Scrum, Ideas tum to value Timebox: Fixed Length Events of One Month or less New sprint starts immediately after the conclusion of the previous sprint Backlog (PB) [> Product Goal] Emergent, ordered list of what is need to improve the product (never finished/complete) Single source of work that undertaken by the Scrum Team, if multiple Scrum Teams, they use the same PB Work Items able to be done within a sprint are selected at a Sprint Planning event Acquire transparency after refining activities by the Scrum Team into smaller more precise items Refinement is the act of breaking down and further refining PB items into smaller more precise items Ongoing activity to add details, description, order to work items Attributes often vary with the domain of work Dess responsible for estimating/sizing tasks; PB should be < 10% of the Devs time allocation or an influence with helping with understanding/trade-offs urpose Scrum developed in 1990s (Ken Schwaber / Jeff Sutherland 1995), scrum guide created in 2010 to help the community Each element of the scrum framework serves a specific purpose that is essential to the overall value and results realized by Scrum Change the core design or ideas of scrum such as leaving out elements, not following the rules covers up problems and limits the benefits Scrum was developed for software but has expanded to many domains/complex problems (research, cloud, analytics, science and other specializes) alues: Commitment, Focus, Openess, Respect, and Courage Scrum Team commits to archiving its goals and to support each other Scrum Team primary focus is on the work of the Sprint to make the best possible progress toward these goals Scrum Team stakeholides are open about the work and the challenges Scrum Team respect each other to be capable, independent people, and are respected as such by the people with whom they work Scrum Team have the courage to do the right thing, to work the tough problems seory Scrum is founded on empiricism (knowledge comes from experience, what is observed) and lean thinking (reduce waste and focuses on essentials) Scrum employs an iterative, incremental approach to optimize predictability and to control risk Scrum engages groups of people who collectively have all the skills & expertise to do the work & share/acquire such skills as needed Scrum combines four formal events (Sprint Planning, Daily Scrum, Sprint Review, Sprint Retrospective) for inspective and adaptation within a Sprint. Empirical Scrum pillars are: Transparency, Inspection, and Adaptation, which help to build trust within the team and Stakeholders Comprised of Events, Artifacts, Roles and Rules Scrum Team model is optimized for flexibility, creativity and productivity Goal Describes a future state of the product that serve as a target for the Sorum Team to plan against The Product Goal is in the Product Backlog, the rest of the Product Backlog emerges to define "what" will fulfill the Product Goal Product, a vehicle to deliver value, can be a service, physical product, or something more abstract, that has clear boundary, known Stakeholders, well-defined users The Product Goal is a long-term objective for the Sorum Team, that they fulfill (or abandon) one objective before taking on the next objective; Davs responsible for all estimates in the Product Backlog lefinition Scrum is a lightweight framework that helps people, team, and organization generate value through adaptive solutions for complex problems Scrum requires a SM to foster an environment where: and orders work for a complex problem into a Product Backlog The Scrum Team turns a selection of work into an increment of value during a Sprint The Scrum Team and its Stakeholders inspect the result and adjust for the next Sprint Scrum is simple, try it as is and determine if is philosophy, theory and structure works to achieve project goals and creates value Scrum framework is purposefully incomplete, only defining the parts required to inplement Scrum theory Scrum is built upon by the collective intelligences of the people using it Instead of detailed instructions, the rules of Scrum guide their relationships and interactions Various processes, techniques and methods can be employed with the framework Scrum mayas around existing practices or renders them unnecessary Scrum makes visible the relative efficacy of current management, environment and work techniques, so that improvements can be made Each Scrum Artifact contains a commitment to ensure it provides information that enhances transparency & focus against progress is measur Scrum artifacts are reviewed and updated, but should not get in the daily work of the Scrum Team cklog (SB) [-> Sprint Goal] Composed of the Sprint Goal (why), the set of Product Backlog items selected for a the Sprint (what), as well as an actionable plan for delivery the Increment (how) delivery the increment (now) Sprint Backlog is a plan by, belongs with and for the Devs. highly visible, real-time picture of the work that the Devs plan to accomplish during The Sprint to achieve the Sprint Goal; track total work accomplish over a sprint Sprint Backlog is updated throughout the Sprint as more is learned, with detail inspected in the Daily Scrum Sprint Goal + Product Backlog items + Plan to Deliver them = Sprint Backlog (Devs. can only change the SB) the last state of the Sprint, commitment by the Devs. its provides flexibility in terms of the work needed to achieve it. The Sprint Goal creates coherence and focus, encouraging the Scrum Team to work together. The Sprint Goal is created during Sprint Planning by the Scrum Team and then added to the Sprint Backlog (builds the Incremer As Devs work during the Sprint, they keep the Sprint Goal in mind. If work work to the different than they expected, Devs collaborate with the responsible Product Owner, to negotiate the scope Sprint Backlog with the Sprint without affecting the Sprint Goal. er, to negotiate the scope of the It [> Definition of Done] Is a concrete stepping stone toward the Product Goal, must be usable to provide value Each Increment is additive to all prior Increments & verified, ensuring that all Increments work together Devic greate the Increment, Multiple Increments may be created within a Sprint The sum of the Increments is presented at the Sprint Review, thus providing Empiricism An Increment may be delivered to Stakeholders prior to the end of the Sprint The Sprint Review should never be considered a gate to releasing value Work cannot be considered part of an Increment unless it meets the Definition of Done Out of the Conduct Devolve Infrare comveleted futuing a Sprint and value of all previous Sprints neory: Transparency [Transparency enables Inspection; Inspection without transparency is misleat Emergent process & work must be visible to those performing the work and those receiving it Important decisions are based on perceived state of its formal artifacts (PB, SB, and Increment) Important decisions are deset on perceived safe on its official annuals (PS, s.b., and incement) Artifacts that have low transparency can lead to decision that diminish value & increases risk eory: Inspection [Inspection enables Adaptation; Inspection w/o Adaptation is considered pointless. Scrum events -> provoke change] Scrum artifacts and progress toward agreed goals must be inspected frequently and diligent to detect potentially undesirable variances or problems To help, Scrum provides cadence with five events: The Sprint, Sprint Planning, Daily Scrum, Sprint Review, Sprint Retrospective) eory: Adaptation [Adaptation happens when people are empowered and self-managing] heory: Adaptation [Adaptation happens when people are empowered and self-managing] If any aspects of a process deviate outside acceptable limits or product is unacceptable, the process being applied must be adjusted, asap If a Product Backlog item does not meet DoD, it cannot be releaseleven presented at Sprint Review, Item goes back to Product Backlog for re-work If the DoD for an increment is part of the standards of the Organization, all Sarum Teems must follow it as a minimum. If not an org standard, the SoTeem must create a DoD for it; Guides the Devis in knowing how many product tems it can select during Sprint Planning Multiple Scoum Teems working on same product, have a mutually define & comply with the same DoD / don't need same sprint duration though Sum of all the Product Backlog items completed during a Sprint and value of all previous Sp 1 of Done (DoD) Def of Done (DoL) Formal description of the state of the Increment, must meet quality, Dens are responsible to conform to a DoD Access work done for Increment, ensures artifact transparency, part of Organization standards & guidelines Creates transparency by providing shared understanding of what work was completed as part of the Increment